REMEDIAL ACTION REPORT

Block 95 Redevelopment
Swedish First Hill Campus Expansion
Seattle, Washington

Prepared for: Swedish Health Services

Project No. 26000940 • March 30, 2026 DRAFT

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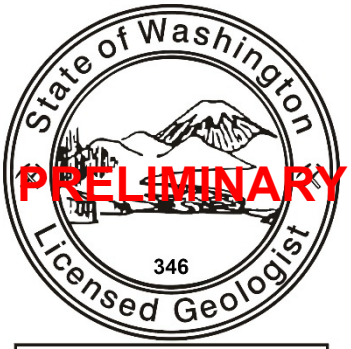
Aspect Consulting, a Geosyntec company



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Acronyms

Aspect	Aspect Consulting, a Geosyntec company
bgs	below ground surface
cPAH	carcinogenic polycyclic aromatic hydrocarbon
COC	contaminant of concern
COPC	contaminant of potential concern
Ecology	Washington Department of Ecology
mg/kg	milligrams/kilograms
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
MTCA	Model Toxics Control Act
NFA	No Further Action
TPH	total petroleum hydrocarbon
UST	underground storage tank
WAC	Washington Administrative Code

1 Introduction

Aspect Consulting (a Geosyntec company, herein referred to as Aspect) prepared this Remedial Action Report on behalf of Swedish Health Services (Swedish) to document the remedial action performed at the Swedish First Hill Block 95 property located at 1101 Columbia Street in Seattle, Washington (referred to herein as Subject Property or B95). The Subject Property consists of a full city block bound by Columbia Street to the north, Boren Avenue to the west, Cherry Street to the south, and Minor Avenue to the east, and is a component of the larger Swedish First Hill medical campus that includes the adjacent blocks to the north, east, and south (Figure 1). The remedial action was completed in accordance with the Washington State Model Toxics Control Act (MTCA), Chapter 70A.305 Revised Code of Washington and its implementing regulations, Chapter 173-340 Washington Administrative Code (WAC).

The remedial action addressed imported urban fill soil (fill soil) containing arsenic and carcinogenic polycyclic aromatic hydrocarbons (cPAHs) at concentrations exceeding the MTCA cleanup levels at two locations on the Subject Property. The specific source of the fill soil is unknown. A site is defined by MTCA as anywhere where contamination has come to be located. The B95 Site consists of the contaminated fill soil areas, and is wholly located within the Subject Property boundaries.

The remedial action, consisting of remedial excavation and off-site disposal of contaminated fill soil, was conducted concurrently with redevelopment excavation for a new medical building as part of the Swedish First Hill campus expansion (Project). The new building will include underground parking levels extending down approximately 70 to 80 feet below former ground surface, or at an approximate elevation of 270 feet NAVD88. The remedial action successfully removed all contaminated soil from the Subject Property and the B95 Site. The effectiveness of the remedial action was confirmed through collection and analysis of soil samples from the contaminated soil areas. No further remedial actions related to the contaminated soil are necessary at the B95 Site to protect human health or the environment, and on behalf of Swedish, we are requesting that the Washington State Department of Ecology (Ecology) issue a No Further Action (NFA) opinion for the B95 Site.

Investigation activities described in this report outline impacts to groundwater beneath the Subject Property, situated at least 80 feet deeper than the contaminated soil areas that were removed (between elevation 234 and 244 feet NAVD88, a depth of approximately 112 feet bgs). Data indicate diesel- and oil-range petroleum hydrocarbons (and one area of arsenic) have migrated onto the Subject Property from an upgradient and unknown off-property source to the east and represents a separate and unrelated site (referred to herein as the “Unknown Upgradient Site”). This report provides notification information, investigation data, and evaluates exposure pathways relative to the Unknown Upgradient Site impacts on the Subject Property.

2 Subject Property Description and Background

This section presents background information for the Subject Property as context for the remedial action, including a description of the current and future uses, a summary of the historical uses, and description of the geology and hydrogeology.

2.1 Current and Future Use

The Subject Property is a commercial rectangular-shaped property consisting of five tax parcels (King County parcel numbers 859090-0685, 859090-0720, 859090-0721, 859090-0710, and 859090-0690) totaling approximately 1.74 acres located within the City of Seattle in King County, Washington. The Subject Property is zoned by the City of Seattle as commercial.

Until property-wide demolition of all structures in 2021, improvements included a parking garage and an apartment building. Uses of the former buildings prior to their vacancy are described in Section 2.2.

Redevelopment construction of the new building is ongoing. Redevelopment earthwork consisted of mass excavation to approximately 70 to 80 feet bgs to facilitate construction of the underground levels. The mass excavation extended laterally to the east, north, and west property lines, and to approximately 10 to 15 feet north of the southern property line (leaving approximately 10 to 15 feet of Subject Property soil unexcavated). The general Subject Property layout and mass excavation boundary is shown in Figure 2.

The general site and Subject Property information is summarized in Table A, below.

Table A. Site and Subject Property Information

Address	1101 Columbia Street, Seattle, Washington
Site Name	Block 95
Tax Parcel Numbers	859090-0685, 859090-0720, 859090-0721, 859090-0710, and 859090-0690
Ecology Identification	N/A
Location Description	The Subject Property consists of a full city block bound by Columbia Street to the north, Boren Avenue to the west, Cherry Street to the south, and Minor Avenue to the east, in the First Hill neighborhood of Seattle.
Subject Property and Topography Description	Prior to mass excavation, the Subject Property ranged in elevation from approximately 342 feet above mean sea level (NAVD88) on the west side to 353 feet above mean sea level on the east side and is topographically moderately sloped.
Potential Sources of Contamination (discussed further in Section 3.1)	1. Two fuel tanks were documented on the Subject Property, and one additional underground storage tank (UST) was discovered and removed from the southwest corner of the Subject Property during this remedial action. 2. Fill soil present throughout the site that was used to regrade the Subject Property.
Contact Information	
Current Subject Property Owner	Swedish Health Services Micah Dolen, Senior Construction Project Manager Micah.Dolen@swedish.org 452.922.3399 Brian Smedley, Director – Project Management, Real Estate Strategy and Operations Brian.Smedley@Providence.org 206.495.2025
Environmental Consultant	Aspect Consulting, a Geosyntec company Dave Cook, LG, CPG; Dave.Cook@geosyntec.com

2.2 Subject Property History

The Subject Property was originally developed with small residential buildings in the early 1900s, which were demolished following the purchase of the Subject Property by

Swedish Health Services and prior to construction of two medical office buildings in the 1950s. A parking garage was constructed in 1974 and an apartment building was constructed in the early 1980s. All buildings on the Subject Property were removed between 2019 and 2021 by Swedish in preparation for redevelopment to support the Swedish First Hill Campus. Demolition debris was used to infill the open basement on the eastern portion of the Subject Property to bring it up to grade with the rest of the Subject Property for safety. The approximate horizontal extent of the basement areas and areas temporarily backfilled with demolition debris are shown on Figure 2. Construction began in 2021, at which time the demolition debris and remaining basement foundation were removed, and underlying soil excavated to a depth of approximately 70 to 80 feet bgs.

The medical office buildings were originally heated by oil burning furnaces supported by two fuel tanks with reported respective volumes of 6,000 and 7,000 gallons. There is no documentation as to whether the fuel tanks were USTs or aboveground storage tanks. However, UST fill pipes were observed in the former alley during a 2016 site reconnaissance event (GeoEngineers, 2016), and one UST was discovered during construction excavation activities (see Section 7.2) suggesting up to three USTs may have been in use on the Subject Property historically.

2.3 Geology and Hydrogeology

Soils encountered at the Subject Property prior to mass excavation included up to 10 feet of fill soil, overlying glacial deposits that varied between the east and west sides of the Subject Property. The Subject Property is located within the Puget Lowland, an elongated basin that extends north-south between the Cascade Range to the east and the Olympic Mountains to the west. The lowland is characterized by a series of north-south trending ridges separated by valleys (Bucknam et al., 1992). The First Hill neighborhood is located on one of the ridges that was formed by glacial scouring and subglacial erosion (Troost and Booth, 2008).

Sedimentation within the Puget Lowland resulted from repeated cycles of glacial and nonglacial deposition and erosion. During nonglacial cycles, the Puget Lowland was dominated by lowland forests and broad river valleys similar to the predevelopment Duwamish valley. During glacial cycles, ice sheets up to 3,000 feet thick occupied the Puget Lowland and carved out the deep marine waterways and river valleys and sculpted the uplands (Armstrong et al., 1965; Blunt et al., 1987; Booth et al., 2004). Deposits from several of these glacial and nonglacial cycles are present underlying the Subject Property and are overlain by relatively loose and soft surface sediments (Holocene deposits).

The local geology is mapped as Pleistocene age Vashon recessional outwash (Qvr), subglacial till (Qvt), advance outwash (Qva), and Lawton Clay (Qvlc) (Troost, et al., 2005).

Soils observed at the Subject Property consist of fill soil, where encountered, a brown sand with silt and gravel and silty sand with occasional debris including concrete rubble to depths of 5 to 10 feet below ground surface (bgs), or up to 10 feet below the former concrete basement slab, where present (equivalent to approximately 23 feet bgs).

The underlying glacial deposits observed on the western half of the Subject Property generally consisted of recessional outwash deposits (Qvr) consisting of dense, brown sand with silt, silty sand with gravel, and sand with gravel observed to at least 21.5 feet bgs. The recessional outwash is underlain by advance outwash (Qva) consisting of dense, brown sand with silt and gravel, sand with silt, and sand with gravel and cobbles to a depth of 95 feet bgs. Beneath the advance outwash (Qva) is the Lawton Clay (Qvlc) consisting of dense, gray sandy silt with high plasticity fines, gray fat clay, gray lean clay, and hard gray silt to 150 feet bgs, the maximum depth explored (Figure 7).

Glacial deposits observed on the eastern half of the Subject Property generally consisted of either advance outwash (Qva) up to 20 feet thick, or where the concrete foundation slab was observed, glacial till (Qvt) consisting of brown silty sand and silty sand with gravel. Similar to the western half of the Subject Property, Lawton Clay (Qvlc) was encountered at 103 to 111 feet bgs (elevation 218 to 232 feet NAVD88; Figure 7), extending to the maximum depth explored of 150 feet bgs (GeoEngineers, 2021).

The local aquifer occurs in the more permeable sands and gravel of the advance outwash unit. According to May 2021 and April 2022 data, groundwater beneath the Property is present between elevation 234 and 244 feet NAVD88 (approximately 112 feet bgs). Groundwater flow is towards the west. Groundwater elevation and flow direction for groundwater monitoring events conducted between 2021 to 2022 are shown in Figure 04a through Figure 04c.

3 Field Investigations and Site Characterization

This section presents the site characterization activities conducted at the Subject Property prior to design and implementation of the remedial action and includes a summary of field investigation activities and results.

3.1 Contaminants of Potential Concern

As described in Section 2.2, historical operations at the Subject Property have included use and storage of heating oil, and possibly in USTs. Additionally, it was found that fill soil from unknown sources was deposited on the Subject Property. Further, some properties in the immediate area have long history of use of petroleum USTs for heating oil uses, emergency generator uses, and/or refueling uses, and documented petroleum UST releases nearby have migrated vertically to as deep as 60 feet bgs through fill soil and permeable glacial outwash deposits. These nearby sources and permeable pathway to groundwater may be the cause of the petroleum contaminated groundwater observed beneath the B95 Site. Based on this information, the contaminants of potential concern (COPCs) identified for the site characterization are as follows:

- Petroleum hydrocarbons in soil and groundwater
- Volatile organic compounds in soil and groundwater
- Metals in soil and groundwater

- Polycyclic aromatic hydrocarbons, including cPAHs in soil

Site characterization data are screened against the lowest published MTCA Method A cleanup levels for Unrestricted Land Use for soil, and the Method A cleanup levels for groundwater. The screening levels were selected based on the current and potential future exposure pathways. Each of the potential exposure pathways are evaluated as complete or incomplete based on the site characterization data in Section 5.

3.2 Field Program

Investigations to characterize soil and groundwater conditions occurred at the Subject Property between 2021 and 2022, after building demolition but before the start of mass excavation for the redevelopment construction. The investigations included drilling and soil sampling, and three groundwater monitoring events at four pre-existing groundwater monitoring wells that had been previously installed for geotechnical purposes in 2015. Discussion of these investigations is presented below. Exploration locations are shown on Figure 2. Boring logs are included as Appendix A. Laboratory reports are included as Appendix B.

3.2.1 Soil Characterization

Aspect conducted the soil characterization in two phases resulting in the collection and chemical analytical testing of 85 soil samples from 37 borings across the B95 Site from depths of 5 to 110 feet bgs, as follows:

- Initial soil sampling conducted in April and August 2021 was completed to evaluate the potential for contamination related to historical uses at the Subject Property and to prepare for soil handling during mass excavation for redevelopment. Twenty-three soil borings were advanced using sonic and hollow-stem auger drilling methods operated by licensed driller Cascade Environmental of Woodinville, Washington to depths ranging from 4.5 to 110 feet bgs across the Subject Property (B95-AB-01 to B95-AB-23; Figure 2).
- Additional soil sampling was completed in March 2022 to refine the extent of contaminated and impacted soil areas identified from the 2021 investigations, and streamline soil handling during mass excavation and pre-construction activities. Fourteen soil borings were advanced using hollow-stem auger method to depths ranging from 7.5 to 27 feet bgs (B95-AB-24 to B95-AB-37; Figure 2), and two test pits were excavated using a backhoe to depths up to 10 feet below the former building basement, or approximately 25 feet bgs (B95-TP-06 and B95-TP-21; Figure 5 and Table 3).

Prior to the 2021 and 2022 drilling events, all buildings had been demolished and the building basements had been backfilled with demolition debris. Borings were advanced through the demo debris, through the concrete basement slab, and then into underlying soil, which was sampled for site characterization purposes. Because the drilling events were also intended to provide waste disposal information to support mass excavation, select samples were also collected from demolition debris. The approximate extent of demolition debris is shown on Figure 2. For a discussion of demolition debris samples, results, handling and disposal, refer to Appendix D. The site characterization presents and

discusses the results of the soil samples collected beneath the demolition debris and concrete basement slab, only.

Soil samples from the 2021 and 2022 investigations were collected based on field screening by visual and olfactory observations, sheen tests, and photoionization detector measurements and were submitted to Friedman & Bruya of Seattle, Washington for one or more of the COPCs.

The following analytes were detected at concentrations exceeding the MTCA Method A cleanup level in soil samples:

- **Remedial Excavation Area AB-06:** Arsenic concentrations in soil exceeded the Method A cleanup level of 20 milligrams per kilograms (mg/kg) in fill soil sampled in one boring, B95-AB-06, along the southeast edge of the Subject Property, at 7 feet (42.5 mg/kg) and at 10 feet (32.5 mg/kg) below the concrete basement slab (equivalent to 20 to 23 feet bgs).
- **Remedial Excavation Area AB-02:** The toxic equivalent concentration for total cPAHs exceeded the Method A cleanup level of 100 micrograms per kilogram (µg/kg) in fill soil collected from two soil borings, B95-AB-06 (107.6 µg/kg) at 10 feet below the concrete basement slab (equivalent to 20 feet bgs) and from AB-02 (111.2 µg/kg) immediately below the concrete basement slab (equivalent to 5 feet bgs).

A summary of soil analytical results is presented in Table 1, and shown on Figure 3, and in cross section on Figures 7 and 8. Complete laboratory reports are included in Appendix B.

3.2.2 Groundwater Characterization

Groundwater was sampled from the four existing monitoring wells (GEI-10 to GEI-13; Figure 2) in three events occurring on May 4, 2021, May 21, 2021, and on April 11 and 12, 2022. Because diesel- and oil-range hydrocarbons were unexpectedly detected in groundwater (at a depth of 100+ feet bgs), all four wells were resampled on May 21, 2021. During all events, groundwater was purged using standard low-flow sampling procedures and groundwater parameters including temperature, pH, dissolved oxygen, specific conductivity, and oxygen reduction potential were recorded during purging. Once parameters stabilized, groundwater samples were collected directly into laboratory provided containers, placed on ice, and transported to the laboratory for analysis of the COPCs.

The following COPCs were detected at concentrations exceeding the MTCA Method A cleanup level in one or more groundwater samples (Table 2):

- Oil-range total petroleum hydrocarbon (TPH) exceeded the Method A cleanup level in each of the four monitoring wells in both May 2021 events and at GEI-13 during the April 2022 event.
- Diesel-range TPH exceeded the Method A cleanup level only in GEI-11 during the April 2022 event.

- Arsenic exceeded the Method A cleanup levels only in GEI-11 during all events and exceeded the natural background concentration[1] in the May 4, 2021 and April 2022 events.

Results are presented on Table 2 and shown on Figures 4a to 4c. Complete laboratory reports are provided in Appendix B.

3.3 Findings and Site Definition

The site characterization identified the following conditions:

- Fill soil at two locations, near soil borings B95-AB-02 and B95-AB-06, contained cPAHs and/or arsenic at concentrations exceeding the MTCA Method A cleanup levels. The horizontal and vertical extents of both locations were identified during the site investigation sampling and guided the subsequent remedial excavation activities (see Section 7.1). The B95 Site is defined as the extent of contaminated fill soil areas, which were wholly encompassed by redevelopment construction and addressed during remedial action (discussed in Section 7.1).
- The site characterization also discovered separate and unrelated impacts to groundwater, situated at least 80 feet deeper than the contaminated fill soil (groundwater beneath the Property is present between elevation 234 and 244 feet NAVD88 [approximately 112 feet bgs]). Given this depth, the impacts to shallow fill soil are not attributable to leaching from the B95 Site, as discussed in Section 5. Diesel- and oil-range petroleum hydrocarbons and/or arsenic exceeding the MTCA Method A cleanup levels were detected in one or more of the four groundwater monitoring wells situated on the Subject Property. The data suggests that groundwater impacts are migrating onto the Subject Property from an upgradient off-property source to the east based on groundwater flow and typically higher concentrations on the east (upgradient) side of the Subject Property. However, the specific source is unknown at the time of this report. The off-property extent of the groundwater contamination is unknown. The contaminated groundwater is referred to in this report as the Unknown Upgradient Site and is a separate site from the B95 Site.

4 Conceptual Site Model for B95 Site

This section presents the conceptual site model (CSM) for the B95 Site, which was developed based on the results of the site characterization field program. The CSM is the basis for developing technically feasible cleanup alternatives and selecting a final cleanup action. This section discusses the components of the CSM, including the source of the

[1] *Natural Background Groundwater Arsenic Concentrations in Washington State* was published in 2021 and revised in 2022 and indicates that statewide average background levels of arsenic range from 4.9 to 15.4 micrograms per liter (µg/L), and suggests the background concentration of 8 µg/L for the Puget Sound Basin (Ecology, 2022).

COPCs, nature and extent of contamination, contaminant fate and transport, and a preliminary exposure assessment.

4.1 Contaminants of Concern for B95 Site

Based on the results of the site characterization (Section 3.3), the affected media requiring cleanup during the redevelopment is contaminated fill soil. The contaminants of concern (COCs) are those COPCs that have been detected above the screening levels for the site characterization (the lowest MTCA Method A cleanup levels), as are summarized below.

Table B. Contaminants of Concern and Affected Media

Media	Contaminants of Concern
Fill Soil	• cPAHs • Arsenic

Other COPCs in soil (see Section 3.1) were either not detected or were detected at concentrations less than their respective MTCA Method A cleanup levels, and therefore are not considered COCs for the cleanup.

4.2 Sources and Extent of Contamination

The COCs in soil are attributed to fill soil from unknown sources being placed at the Subject Property. The COCs in fill soil are present in two shallow and localized areas:

- AB-02, immediately below the concrete basement slab (equivalent to 5 feet bgs). This area is horizontally bounded to the north by AB-01, to the south by AB-31, and to the west by AB-10. This area is vertically bounded by the sample collected at 7.5 feet from AB-02.
- AB-06 at 7 to 10 feet below the concrete basement slab (equivalent to 20 to 23 feet bgs). This area is horizontally bounded to the north by AB-21, to the east by AB-20, to the south by AB-19, and to the west by AB-22. This area was vertically bounded during remedial excavation activities (see Section 7.1)

The extents of the COCs in fill soil was verified by confirmation sampling conducted during the remedial action described in Section 7.1.

5 Cleanup Standards

The cleanup standards and points of compliance for the B95 Site are described in the following sections.

5.1 Potential Receptors and Exposure Pathways

This section discusses the potential receptors and exposure pathways for the B95 Site, based on the site characterization data presented in Section 3.

5.1.1 Protection of Human Health

Potential exposure pathways to human receptors are as follows:

- **Soil leaching to groundwater:** Contaminants in soil can leach to groundwater by infiltration of precipitation through contaminated soil or where groundwater is in contact with contaminated soil. Because the contaminated soil at the B95 Site is situated over 80 feet above groundwater, the soil leaching to groundwater pathway is incomplete.
- **Direct contact with soil:** Human receptors, such as construction workers, have the potential to contact contaminants in soil under the current exposure scenarios during active construction. This exposure pathway was eliminated during remedial excavation and is considered incomplete under future use.
- **Vapor inhalation pathway:** The COCs in soil do not include volatile contaminants; therefore, the vapor inhalation pathway is incomplete.

Based on the results of the site characterization, the exposure pathway to address by the remedial action is direct contact with soil which was addressed through remedial excavation of the two contaminated soil areas, further summarized in the following sections.

5.1.2 Protection of Terrestrial Ecological Receptors

A Terrestrial Ecological Evaluation (TEE) is required under MTCA for sites with releases of hazardous substances to soil unless the site meets one or more exclusions. Based on the requirements in WAC 173-340-7491, the B95 Site qualifies for the following exclusions:

- There is "less than 1.5 acres of contiguous undeveloped land on the site, or within 500 feet of the site affected by hazardous substances other than those listed in WAC 173-340-7491(1)(c)(ii)."

Based on these exclusions, the B95 Site does not require further ecological evaluation and the MTCA Method A cleanup levels can be used for the cleanup action. A copy of the TEE form documenting this exclusion is provided in Appendix C.

5.2 Establishment of Cleanup Levels

The B95 Site cleanup levels were developed for those COPCs identified at concentrations exceeding the screening levels used for the site characterization (i.e., the COCs), and for which there is a current or likely future exposure pathway. As described in Section 4.1, this includes cPAHs and arsenic in fill soil via the direct contact exposure pathway. The screening levels used for the site characterization of soil, the lowest MTCA Method A cleanup levels, are the cleanup levels that are protective of human health and will be used for the cleanup action.

5.3 Points of Compliance

The point of compliance is the point where contaminant- and media-specific cleanup levels (Section 5.2) are met at the B95 Site, in accordance with MTCA. The standard point of compliance for direct contact with soil extends to 15 feet bgs, based on a

reasonable maximum depth of excavation and assumed placement of excavated soils at the surface where contact occurs. The redevelopment excavation will result in full removal of all contaminated soil from the B95 Site; therefore, the standard point of compliance for soil is appropriate for the cleanup.

6 Remedial Action Selection

This section presents the evaluation and selection of the remedial action to address B95 Site contamination and comply with MTCA.

6.1 Remedial Action Objectives

The objective of the cleanup is to obtain an NFA determination for the B95 Site. To obtain an NFA, the existing soil contamination was remediated to concentrations less than MTCA Method A cleanup levels for Unrestricted Land Use at the established points of compliance.

Remedial Action Objectives (RAOs) are media or site-specific goals for protecting human health and the environment. They are established based on the nature and extent of contamination, the receptors that are currently and potentially threatened and the potential for human and environmental exposure. The RAOs established for the B95 Site are intended to comply with applicable environmental regulations and protect human health and the environment.

The site-specific RAO is protection of humans from direct contact with contaminated fill soil.

6.2 Recommended Remedial Action Alternative

Excavation and off-site disposal were selected as the final cleanup remedy for the following reasons:

- Excavation and transport off site of contaminated soil was feasible since soil excavation was already taking place for property redevelopment.
- The selected alternative meets the “minimum requirements for cleanup actions” (WAC 173-340-360(2)). Specifically, the alternative:
    - could be implemented within a relatively short period of time;
    - meets threshold requirements described by MTCA (e.g., protects human health and the environment, complies with the cleanup standards, complies with state and federal laws and provides for compliance monitoring);
    - is expected to be more effective than other available methods in achieving concentrations that are protective of human health and the environment;
    - is permanent; and
    - considers public concerns.

- Excavation and off-site transport of contaminated soil was considered to be the most permanent and cost-effective cleanup option for the B95 Site.
- Excavation does not contact the groundwater contamination that is migrating onto the Subject Property from an off-site and upgradient unknown source.

The cleanup action was conducted from March to July 2022, as described in the following section.

7 Summary of Remedial Action

This section describes the activities performed as part of the remedial action at the B95 Site, including soil excavation, confirmation sampling, and UST removal.

7.1 Remedial Excavation Activities

Implementation of remedial excavation activities and subsequent confirmation sampling to confirm removal of contaminated fill soil are discussed in the sections below.

7.1.1 General Information

A remedial excavation to remove the contaminated fill soil was conducted between March 29 and July 15, 2022 by the general contractor (Mortenson) and earthworks subcontractor (JRH) and overseen by Aspect. A total of 980 cubic yards of contaminated fill soil was excavated and transported off-site for permitted disposal from the Subject Property.

The chemical analytical results of the soil samples collected during the site characterization were used to estimate the lateral and vertical extent of the contaminated soil before the remedial excavation commenced. During the course of the remedial excavation, confirmation soil samples (see Section 7.1.2) were used to confirm successful removal of the contaminated soil. Aspect also used a photoionization detector to evaluate volatile chemicals and field screening techniques, including visual and water sheen screening, to guide the sampling, segregation, and classification of excavated soils. Based on the results of chemical analysis and field screening, the excavated soils were segregated into two separate stockpiles: (1) contaminated soil, and (2) non-impacted/contaminated soil.

The general timeline of the remedial excavation was as follows:

- March 29 – April 14, 2022: Mass excavation for construction occurred, including removal of the demolition debris from within the former building basements, and excavation of non-impacted fill soil and underlying native soil.
- April 14 – 20, 2022: Remedial excavation of arsenic- and cPAH-contaminated fill soil in the two areas in the northeast portion of the B95 Site (near AB-02 and AB-06), including soil screening and soil export, down to maximum depth of 13 feet below the former concrete basement slab, or 25 feet bgs. The successful removal of the contaminated soil from the remedial excavation areas was confirmed by confirmation soil sampling (see Section 7.1.2).

- April 29, 2022: One UST and associated 4-inch pipe was discovered in southwest corner of the Subject Property (UST-1).
- June 1, 2022: UST-1 was decommissioned and removed, and removal confirmation soil samples were collected (see Section 7.1.2). During the removal and confirmation soil sampling, no evidence of release from the UST was identified.

7.1.2 Confirmation Soil Sampling

The two contaminated fill soil areas delineated during the site characterization at the Subject Property were removed concurrently with mass excavation for construction, as follows:

- **Remedial Excavation Area AB-02**. At Area AB-02, the site characterization showed cPAHs above the Method A cleanup level in fill soil at 5 feet bgs, bounded vertically at 7.5 feet bgs. As this area was excavated to the non-impacted/contaminated horizontal and vertical limits identified during the site characterization (see Section 3.2.1), field screening evidence of petroleum impacts was observed; therefore, a total of five confirmation soil samples (Table 3) were collected from the base of the remedial excavation for chemical analysis of:
  - Gasoline-range TPH by NWTPH-Gx; and
  - Diesel- and oil-range TPH by NWTPH-Dx/NWTPH-Dx-extended.

  Diesel- and oil-range TPH (TPH-Dx) was not detected at concentrations above the laboratory reporting limit for any of the sidewall or base confirmation samples collected in the Area AB-02 excavation. In total, approximately 388 cubic yards of soil were excavated and removed from Area AB-02.
- **Remedial Excavation Area AB-06.** At Area AB-06, the site characterization showed arsenic and cPAHs above the Method A cleanup levels in fill soil at 7 and 13 feet below the former building concrete slab (equivalent to 20 to 25 feet bgs). Base confirmation samples were collected via potholing to a depth of 16 feet below the basement slab (equivalent to 29 feet bgs) on April 19, 2022. These two samples (B95-TP-06 and B95-TP-21; Table 3) were analyzed for the following in addition to the COCs above:
  - Arsenic by EPA 6020B; and
  - Carcinogenic PAHs by EPA Method 8270.

  These samples contained arsenic at concentrations above laboratory reporting limits, but well below MTCA Method A cleanup levels. In total, approximately 592 cubic yards of soil were excavated and removed from Area AB-06.

Based on the chemical analytical results, contaminated soil was successfully removed from the Subject Property. The locations of the confirmation soil sample results are shown in Figures 3 and 5, as well as in cross section on Figures 7 and 8.

7.2 UST Removal

On April 29, 2022, one 1,600-gallon UST was discovered in the southwest corner of the Subject Property in the location shown on Figure 6. The UST was steel construction

measuring approximately 9 feet long and 5.5 feet in diameter, with two 4-inch fill and/or vent pipes extending vertically upward from the top of the UST. Upon discovery, the UST was filled with petroleum product, presumed to be heating oil to support the former building's oil burning heating system. One soil sample, FDA-2-7.5, was collected from just below the fill pipe, at approximately 1.5 feet above the top of the tank and was analyzed for gasoline-, diesel-, and oil-range petroleum hydrocarbons, with none detected above their respective MTCA Method A cleanup level (Table 4). The tank was covered and left in place so construction could proceed as scheduled until a point at which it could be safely removed.

On June 1, 2022, the UST was decommissioned and removed in accordance with the applicable regulations (Washington Administrative Code Chapter 173-360A) and Ecology's guidance (Ecology 2021). Northern Environmental was the certified UST decommissioner, and Aspect performed the UST site assessment to evaluate potential release(s) from the UST. Following tank inertion by the marine chemist, and issuance of the removal permit by the Seattle Fire Department, Northern Environmental pumped and rinsed the tank interior, removing approximately 2,000 gallons total of petroleum product and water mixture. Soil immediately adjacent to the tank wall and below the fill pipe showed field screening evidence of petroleum impacts, including petroleum sheen, odor, and headspace volatiles ranging up to 39.7 ppm. Apparent petroleum-impacted soil was removed during the UST removal excavation, and the excavation sidewalls were screened and sampled in accordance with Ecology's guidance. The final excavation extents measured approximately 9 feet in the north-south direction by 15 feet in the east-west direction, and extended to approximately three feet below the bottom of the UST, to 16 feet bgs. Groundwater was not encountered during the UST removal excavation, and is situated approximately 96 feet below the bottom of the UST excavation.

A total of seven confirmation soil samples (B95-N4-W1-15, B95-N4-W1.5-15, B95-N4-W1.5-16, B95-N5-W1.5-15.5, B95-N5-W1.5-16, B95-N5-W2.5-15, and B95-N6-W1.5-15; Table 4 and Figure 6) were taken at 15-16 feet bgs at the limits of this tank excavation after removal to confirm all apparent petroleum impacted soil was successfully removed (Table 4). Samples were submitted for analysis of petroleum hydrocarbons, with none detected above the MTCA Method A cleanup levels. Diesel- and oil-range TPH (TPH-Dx) was detected at concentration less than the MTCA Method A cleanup levels in the base sample B95-N5-W1.5. All other base confirmation samples did not contain concentrations of TPH above laboratory reporting limits.

8 Conclusions

Based on the results of the site characterization (Section 3) and the completed remedial action (Section 7), all contaminated soil associated with the B95 Site (fill soil containing arsenic and/or cPAHs above the MTCA Method A cleanup levels) was totally encompassed within the Subject Property boundaries and was successfully removed from the B95 Site via remedial excavation and off-site disposal. This is evidenced by the results of soil samples collected at the lateral and vertical extents of the remedial excavation areas, conducted concurrently with the redevelopment mass excavation.

The standard points of compliance established for the remedial action of 15 feet bgs for soil have been met by successfully removing all contaminated soil from the B95 Site. Further, the one potentially complete exposure pathway identified for the B95 Site—direct contact with soil—is incomplete under post-remediation conditions due to the full removal of contaminated soil from the B95 Site. Therefore, the B95 Site is protective of human health and the environment in accordance with WAC 173-340.

It is Aspect's opinion that the remedial action completed at the B95 Site meets the MTCA requirements and results in site conditions that are fully protective of human health and the environment and an NFA determination pertaining to the B95 Site is warranted.

There is indication of petroleum hydrocarbon impact to groundwater beneath the Subject Property. There is no evidence that the fill soil or USTs historically located at the B95 Site were sources of contamination to groundwater evidenced by over 80 feet of separation between the vertical extents of the remedial excavation areas and groundwater below the Subject Property. Groundwater data also indicate that groundwater impacts are migrating onto the Subject Property from an upgradient off-property source to the east based on groundwater flow from east to west. The off-property source is additionally supported by the presence of higher concentrations on the east (upgradient) side than on the west (downgradient) side of the Subject Property. Because the groundwater is not sourced from the B95 Site, it represents a separate and unrelated site and should not impact the NFA designation for the B95 Site.

9 References

Armstrong, J.E., D.R. Crandell, D.J. Easterbrook, and J.B. Noble, 1965, Late Pleistocene stratigraphy and chronology in southwestern British Columbia and north-western Washington, Geological Society of America Bulletin, 76, p. 321-330.

Blunt, D.J., D.J. Easterbrook, and N.W. Ruttner, 1987, Chronology of Pleistocene sediments in the Puget Lowland, Washington, *in* Schuster, J., ed., Selected Papers on the Geology of Washington, Washington Division of Geology and Earth Resources Bulletin 77, p. 321–353.

Booth, D.B., K.G. Troost, J.J. Clague, and R.B. Waitt, 2004, The Cordilleran Ice Sheet: Chapter 2 *in* Gillespie, A., S.C. Porter, and B. Atwater, eds., The Quaternary Period in the United States, Amsterdam, the Netherlands, Elsevier Press, p. 17–43.

Bucknam, R.C., E. Hemphill-Haley, and E.B. Leopold, 1992, Abrupt Uplift within the Past 1700 Years of the Southern Puget Sound, Washington, Science, v. 258, p. 1611-1613.

GeoEngineers, Inc., 2016, Review of Environmental Conditions, Swedish First Hill Campus, May 23, 2016.

GeoEngineers, Inc., 2021, Geotechnical Engineering Services, Swedish First Hill Expansion – Block 95, January 21, 2021.

Troost, D.G., D.B. Booth, A.P. Wisher, and S.A. Shimel, 2005, The Geologic Map of Seattle: A Progress Report, U.S. Geological Survey, Open File Report 2005-1252, Scale 1:24,000, December 2005.

Troost, K.G., and D.B. Booth, 2008, Geology of Seattle and the Seattle area, Washington, in Baum, R.L, Godt, J.W., and Highland, L.M. eds. Landslides and Engineering Geology of the Seattle, Washington Area: Geological Society of America Reviews in Engineering Geology, v. XX, p. 1-35.

Washington State Department of Ecology (Ecology), 2021, Site Assessment Guidance for Underground Storage Tank Systems, Publication 21-09-050, dated January 2021, revised October 2022.

Washington State Department of Ecology (Ecology), 2022, Natural Background Groundwater Arsenic Concentrations in Washington State, Toxics Cleanup Program, Publication No. 14-09-044, dated January 2022.

10 Limitations

Work for this project was performed for Swedish (Client), and this report was prepared in accordance with generally accepted professional practices for the nature and conditions of work completed in the same or similar localities, at the time the work was performed. This report does not represent a legal opinion. No other warranty, expressed or implied, is made.

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Please refer to Appendix F titled "Report Limitations and Guidelines for Use" for additional information governing the use of this report.

TABLES

Table 1. Site Characterization Soil Quality Data

Project No. 26000940, Swedish First Hill Campus Expansion - Block 95, Seattle, Washington

		Sample Location	B95-AB-01	B95-AB-01	B95-AB-01	B95-AB-02	B95-AB-02	B95-AB-02	B95-AB-02	B95-AB-03	B95-AB-03	B95-AB-03	B95-AB-04	B95-AB-04	B95-AB-05	B95-AB-05	B95-AB-05	B95-AB-06	B95-AB-06
		Sample Date	04/29/2021	04/29/2021	04/29/2021	04/29/2021	04/29/2021	04/29/2021	04/29/2021	04/29/2021	04/29/2021	04/29/2021	04/28/2021	04/28/2021	04/28/2021	04/28/2021	04/28/2021	04/29/2021	04/29/2021
		Sample Name	B95-AB-01-8.5	B95-AB-01-11	B95-AB-01-14.5	B95-AB-02-5	B95-AB-02-7.5	B95-AB-02-12.5	B95-AB-02-21.5	B95-AB-03-7	B95-AB-03-10	B95-AB-03-22.5	B95-AB-04-12.5	B95-AB-04-22.5	B95-AB-05-7	B95-AB-05-14	B95-AB-05-22	B95-AB-06-20	B95-AB-06-23
		Sample Depth	8.5 ft	11 ft	14.5 ft	5 ft	7.5 ft	12.5 ft	21.5 ft	7 ft	10 ft	22.5 ft	12.5 ft	22.5 ft	7 ft	14 ft	22 ft	20 ft	23 ft
		Sample Type	native soil	native soil	native soil	fill soil	native soil	native soil	native soil	fill soil	native soil	native soil	native soil	native soil	fill soil	native soil	native soil	fill soil	fill soil
Analyte	**Unit**	**MTCA Method A Cleanup Level**																	
Petroleum Hydrocarbons																			
Gasoline Range Organics	mg/kg	100	< 3.21 U	< 3.76 U	< 3.33 U	< 3.09 U	--	< 3.49 U	< 3.08 U	< 3.37 U	< 3.23 U	< 4.74 U	< 3.87 U	< 2.83 U	< 5.08 U	< 3.67 U	< 3.35 U	**8.30 X**	**10.3 XJ**
Diesel Range Organics	mg/kg	2000	< 52.6 U	< 51.7 U	< 53.6 U	< 54.4 U	--	< 49.1 U	< 49.3 U	< 49.3 U	< 48.7 U	< 53.0 U	< 47.7 U	< 43.0 U	< 49.0 U	< 54.5 U	< 51.7 U	< 49.5 U	< 52.0 UJ
Motor Oil Range Organics	mg/kg	2000	< 105 U	< 103 U	< 107 U	< 109 U	--	< 98.3 U	**142**	< 98.5 U	< 97.4 U	< 106 U	< 95.5 U	< 86.1 U	< 98.0 U	< 109 U	< 103 U	**1880**	**1020 J**
Diesel & Oil Extended Range Organics	mg/kg	2000	< 158 U	< 155 U	< 161 U	< 163 U	--	< 147 U	< 148 U	< 148 U	< 146 U	< 159 U	< 143 U	< 129 U	< 147 U	< 163 U	< 155 U	**1890**	**1040 J**
Mineral Spirits	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**10.3 J**
BTEX																			
Benzene	mg/kg	0.03	< 0.0128 U	< 0.0150 U	< 0.0133 U	< 0.0124 U	--	< 0.0140 U	< 0.0123 U	< 0.0135 U	< 0.0129 U	< 0.0190 U	< 0.0155 U	< 0.0113 U	< 0.0203 U	< 0.0147 U	< 0.0134 U	< 0.0175 U	--
Toluene	mg/kg	7	< 0.0417 U	< 0.0488 U	< 0.0433 U	< 0.0402 U	--	< 0.0454 U	< 0.0401 U	< 0.0438 U	< 0.0420 U	< 0.0617 U	< 0.0503 U	< 0.0367 U	< 0.0661 U	< 0.0477 U	< 0.0436 U	< 0.0568 U	--
Ethylbenzene	mg/kg	6	< 0.0160 U	< 0.0188 U	< 0.0166 U	< 0.0154 U	--	< 0.0175 U	< 0.0154 U	< 0.0168 U	< 0.0162 U	< 0.0237 U	< 0.0194 U	< 0.0141 U	< 0.0254 U	< 0.0183 U	< 0.0168 U	< 0.0218 U	--
Total Xylenes	mg/kg	9	< 0.0321 U	< 0.0376 U	< 0.0333 U	< 0.0309 U	--	< 0.0349 U	< 0.0308 U	< 0.0337 U	< 0.0323 U	< 0.0474 U	< 0.0387 U	< 0.0283 U	< 0.0508 U	< 0.0367 U	< 0.0335 U	< 0.0437 U	--
Metals																			
Arsenic	mg/kg	20	**3.79**	**2.77**	**2.19**	**11.8**	--	**2.55**	**5.77**	**6.15**	**2.31**	**1.38**	**2.43**	**3.09**	**3.86**	**3.03**	**2.46**	**42.5**	**32.5**
Barium	mg/kg		**58.5**	**61.8**	**51.9**	**267**	--	**62.1**	**86.4**	**117**	**46.4**	**36.0**	**60.4**	**60.3**	**60.5**	**48.1**	**35.9**	**126**	**120**
Cadmium	mg/kg	2	< 0.186 U	< 0.181 U	< 0.181 U	**0.944**	--	< 0.183 U	< 0.181 U	< 0.173 U	< 0.174 U	< 0.175 U	< 0.172 U	< 0.161 U	< 0.160 U	< 0.172 U	< 0.168 U	< 0.173 U	< 0.181 U
Chromium	mg/kg	2,000	**39.1**	**32.6**	**34.7**	**35.3**	--	**35.1**	**38.7**	**31.7**	**30.7**	**27.1**	**31.2**	**39.2**	**32.9**	**35.0**	**38.5**	**24.1**	**27.1**
Lead	mg/kg	250	**2.58**	**2.17**	**1.97**	**158**	--	**2.25**	**49.1**	**7.05**	**1.89**	**1.60**	**2.28**	**1.99**	**1.98**	**1.89**	**1.68**	**21.1**	**20.9**
Mercury	mg/kg	2	< 0.266 U	< 0.247 U	< 0.279 U	< 0.252 U	--	< 0.260 U	< 0.262 U	< 0.258 U	< 0.265 U	< 0.261 U	< 0.264 U	< 0.244 U	< 0.239 U	< 0.260 U	< 0.261 U	**0.761**	< 0.246 U
Selenium	mg/kg		**0.462 J**	**0.420**	**0.424**	**0.585**	--	**0.320**	**0.525**	**0.239**	**0.368**	< 0.175 U	< 0.172 U	**0.521 J**	**0.930**	**0.981**	**0.821**	**2.10 J**	**0.792**
Silver	mg/kg		< 0.139 U	< 0.136 U	< 0.136 U	**0.202**	--	< 0.137 U	< 0.136 U	< 0.129 U	< 0.131 U	< 0.132 U	< 0.129 U	< 0.121 U	< 0.120 U	< 0.129 U	< 0.126 U	**1.07**	**0.370**
Polycyclic Aromatic Hydrocarbons (PAHs)																			
1-Methylnaphthalene	ug/kg		< 22.0 U	< 20.4 U	< 19.6 U	< 21.2 U	--	< 21.8 U	< 21.5 U	< 20.0 U	< 21.9 U	< 18.3 U	< 20.1 U	< 17.6 U	< 18.8 U	< 19.6 U	< 19.9 U	**33.6**	--
2-Methylnaphthalene	ug/kg		< 22.0 U	< 20.4 U	< 19.6 U	< 21.2 U	--	< 21.8 U	< 21.5 U	< 20.0 U	< 21.9 U	< 18.3 U	< 20.1 U	< 17.6 U	< 18.8 U	< 19.6 U	< 19.9 U	**39.5**	--
Acenaphthene	ug/kg		< 22.0 U	< 20.4 U	< 19.6 U	< 21.2 U	--	< 21.8 U	< 21.5 U	< 20.0 U	< 21.9 U	< 18.3 U	< 20.1 U	< 17.6 U	< 18.8 U	< 19.6 U	< 19.9 U	< 21.2 U	--
Acenaphthylene	ug/kg		< 22.0 U	< 20.4 U	< 19.6 U	< 21.2 U	--	< 21.8 U	< 21.5 U	< 20.0 U	< 21.9 U	< 18.3 U	< 20.1 U	< 17.6 U	< 18.8 U	< 19.6 U	< 19.9 U	< 21.2 U	--
Anthracene	ug/kg		< 43.9 U	< 40.7 U	< 39.2 U	< 42.3 U	--	< 43.6 U	< 42.9 U	< 40.0 U	< 43.7 U	< 36.6 U	< 40.2 U	< 35.2 U	< 37.6 U	< 39.3 U	< 39.8 U	< 42.4 U	--
Benzo(g,h,i)perylene	ug/kg		< 22.0 U	< 20.4 U	< 19.6 U	**68.1**	--	< 21.8 U	< 21.5 U	< 20.0 U	< 21.9 U	< 18.3 U	< 20.1 U	< 17.6 U	< 18.8 U	< 19.6 U	< 19.9 U	**21.3**	--
Fluoranthene	ug/kg		< 43.9 U	< 40.7 U	< 39.2 U	**142**	--	< 43.6 U	< 42.9 U	< 40.0 U	< 43.7 U	< 36.6 U	< 40.2 U	< 35.2 U	< 37.6 U	< 39.3 U	< 39.8 U	**169**	--
Fluorene	ug/kg		< 22.0 U	< 20.4 U	< 19.6 U	< 21.2 U	--	< 21.8 U	< 21.5 U	< 20.0 U	< 21.9 U	< 18.3 U	< 20.1 U	< 17.6 U	< 18.8 U	< 19.6 U	< 19.9 U	**23.1**	--
Naphthalene	mg/kg	5	< 0.0641 U	< 0.0751 U	< 0.0665 U	< 0.0618 U	--	< 0.0698 U	< 0.0617 U	< 0.0674 U	< 0.0646 U	< 0.0949 U	< 0.0774 U	< 0.0565 U	< 0.102 U	< 0.0733 U	< 0.0671 U	< 0.0873 U	--
Naphthalene	ug/kg	5000	< 22.0 U	< 20.4 U	< 19.6 U	< 21.2 U	--	< 21.8 U	< 21.5 U	< 20.0 U	< 21.9 U	< 18.3 U	< 20.1 U	< 17.6 U	< 18.8 U	< 19.6 U	< 19.9 U	**46.0**	--
Phenanthrene	ug/kg		< 43.9 U	< 40.7 U	< 39.2 U	**85.6**	--	< 43.6 U	< 42.9 U	< 40.0 U	< 43.7 U	< 36.6 U	< 40.2 U	< 35.2 U	< 37.6 U	< 39.3 U	< 39.8 U	**310**	--
Pyrene	ug/kg		< 43.9 U	< 40.7 U	< 39.2 U	**149**	--	< 43.6 U	< 42.9 U	< 40.0 U	< 43.7 U	< 36.6 U	< 40.2 U	< 35.2 U	< 37.6 U	< 39.3 U	< 39.8 U	**137**	--
Benz(a)anthracene	ug/kg		< 22.0 U	< 20.4 U	< 19.6 U	**60.4**	< 22.8 UJ	< 21.8 U	< 21.5 U	< 20.0 U	< 21.9 U	< 18.3 U	< 20.1 U	< 17.6 U	< 18.8 U	< 19.6 U	< 19.9 U	**91.2**	**64.2 J**
Benzo(a)pyrene	ug/kg	100	< 22.0 U	< 20.4 U	< 19.6 U	**83.4**	< 22.8 UJ	< 21.8 U	< 21.5 U	< 20.0 U	< 21.9 U	< 18.3 U	< 20.1 U	< 17.6 U	< 18.8 U	< 19.6 U	< 19.9 U	**80.5**	**67.1 J**
Benzo(b)fluoranthene	ug/kg		< 22.0 U	< 20.4 U	< 19.6 U	**56.3**	< 22.8 UJ	< 21.8 U	< 21.5 U	< 20.0 U	< 21.9 U	< 18.3 U	< 20.1 U	< 17.6 U	< 18.8 U	< 19.6 U	< 19.9 U	**47.0**	**36.5 J**
Benzo(k)fluoranthene	ug/kg		< 22.0 U	< 20.4 U	< 19.6 U	**76.1**	< 22.8 UJ	< 21.8 U	< 21.5 U	< 20.0 U	< 21.9 U	< 18.3 U	< 20.1 U	< 17.6 U	< 18.8 U	< 19.6 U	< 19.9 U	**77.3**	**61.6 J**
Chrysene	ug/kg		< 43.9 U	< 40.7 U	< 39.2 U	**79.5**	< 45.7 UJ	< 43.6 U	< 42.9 U	< 40.0 U	< 43.7 U	< 36.6 U	< 40.2 U	< 35.2 U	< 37.6 U	< 39.3 U	< 39.8 U	**126**	**102 J**
Dibenzo(a,h)anthracene	ug/kg		< 43.9 U	< 40.7 U	< 39.2 U	< 42.3 U	< 45.7 UJ	< 43.6 U	< 42.9 U	< 40.0 U	< 43.7 U	< 36.6 U	< 40.2 U	< 35.2 U	< 37.6 U	< 39.3 U	< 39.8 U	< 42.4 U	< 42.1 UJ
Indeno(1,2,3-cd)pyrene	ug/kg		< 43.9 U	< 40.7 U	< 39.2 U	**55.6**	< 45.7 UJ	< 43.6 U	< 42.9 U	< 40.0 U	< 43.7 U	< 36.6 U	< 40.2 U	< 35.2 U	< 37.6 U	< 39.3 U	< 39.8 U	< 42.4 U	< 42.1 UJ
Total cPAHs TEQ (ND = 1/2 RDL)	ug/kg	100	< 18.9 U	< 17.5 U	< 16.9 U	**111.2**	< 19.6 U	< 18.7 U	< 18.5 U	< 17.2 U	< 18.8 U	< 15.7 U	< 17.3 U	< 15.1 U	< 16.2 U	< 16.9 U	< 17.1 U	**107.6**	**88.6 J**

Table 1. Site Characterization Soil Quality Data

Project No. 26000940, Swedish First Hill Campus Expansion - Block 95, Seattle, Washington

		Sample Location	B95-AB-01	B95-AB-01	B95-AB-01	B95-AB-02	B95-AB-02	B95-AB-02	B95-AB-02	B95-AB-03	B95-AB-03	B95-AB-03	B95-AB-04	B95-AB-04	B95-AB-05	B95-AB-05	B95-AB-05	B95-AB-06	B95-AB-06
		Sample Date	04/29/2021	04/29/2021	04/29/2021	04/29/2021	04/29/2021	04/29/2021	04/29/2021	04/29/2021	04/29/2021	04/29/2021	04/28/2021	04/28/2021	04/28/2021	04/28/2021	04/28/2021	04/29/2021	04/29/2021
		Sample Name	B95-AB-01-8.5	B95-AB-01-11	B95-AB-01-14.5	B95-AB-02-5	B95-AB-02-7.5	B95-AB-02-12.5	B95-AB-02-21.5	B95-AB-03-7	B95-AB-03-10	B95-AB-03-22.5	B95-AB-04-12.5	B95-AB-04-22.5	B95-AB-05-7	B95-AB-05-14	B95-AB-05-22	B95-AB-06-20	B95-AB-06-23
		Sample Depth	8.5 ft	11 ft	14.5 ft	5 ft	7.5 ft	12.5 ft	21.5 ft	7 ft	10 ft	22.5 ft	12.5 ft	22.5 ft	7 ft	14 ft	22 ft	20 ft	23 ft
		Sample Type	native soil	native soil	native soil	fill soil	native soil	native soil	native soil	fill soil	native soil	native soil	native soil	native soil	fill soil	native soil	native soil	fill soil	fill soil
Analyte	**Unit**	**MTCA Method A Cleanup Level**																	
Volatile Organic Compounds (VOCs)																			
1,1,1,2-Tetrachloroethane	mg/kg		< 0.0128 U	< 0.0150 U	< 0.0133 U	< 0.0124 U	--	< 0.0140 U	< 0.0123 U	< 0.0135 U	< 0.0129 U	< 0.0190 U	< 0.0155 U	< 0.0113 U	< 0.0203 U	< 0.0147 U	< 0.0134 U	< 0.0175 U	--
1,1,1-Trichloroethane	mg/kg	2	< 0.0160 U	< 0.0188 U	< 0.0166 U	< 0.0154 U	--	< 0.0175 U	< 0.0154 U	< 0.0168 U	< 0.0162 U	< 0.0237 U	< 0.0194 U	< 0.0141 U	< 0.0254 U	< 0.0183 U	< 0.0168 U	< 0.0218 U	--
1,1,2,2-Tetrachloroethane	mg/kg		< 0.00962 U	< 0.0113 U	< 0.00998 U	< 0.00927 U	--	< 0.0105 UJ	< 0.00925 UJ	< 0.0101 UJ	< 0.00969 UJ	< 0.0142 UJ	< 0.0116 U	< 0.00848 U	< 0.0153 U	< 0.0110 U	< 0.0101 U	< 0.0131 UJ	--
1,1,2-Trichloroethane	mg/kg		< 0.0109 U	< 0.0128 U	< 0.0113 U	< 0.0105 U	--	< 0.0119 U	< 0.0105 U	< 0.0115 U	< 0.0110 U	< 0.0161 U	< 0.0132 U	< 0.00961 U	< 0.0173 U	< 0.0125 U	< 0.0114 U	< 0.0148 U	--
1,1-Dichloroethane	mg/kg		< 0.0160 U	< 0.0188 U	< 0.0166 U	< 0.0154 U	--	< 0.0175 U	< 0.0154 U	< 0.0168 U	< 0.0162 U	< 0.0237 U	< 0.0194 U	< 0.0141 U	< 0.0254 U	< 0.0183 U	< 0.0168 U	< 0.0218 U	--
1,1-Dichloroethene	mg/kg		< 0.0385 U	< 0.0451 U	< 0.0399 U	< 0.0371 U	--	< 0.0419 U	< 0.0370 U	< 0.0404 U	< 0.0388 U	< 0.0569 U	< 0.0465 U	< 0.0339 U	< 0.0610 U	< 0.0440 U	< 0.0402 U	< 0.0524 U	--
1,1-Dichloropropene	mg/kg		< 0.0160 U	< 0.0188 U	< 0.0166 U	< 0.0154 U	--	< 0.0175 U	< 0.0154 U	< 0.0168 U	< 0.0162 U	< 0.0237 U	< 0.0194 U	< 0.0141 U	< 0.0254 U	< 0.0183 U	< 0.0168 U	< 0.0218 U	--
1,2,3-Trichlorobenzene	mg/kg		< 0.0321 U	< 0.0376 U	< 0.0333 U	< 0.0309 U	--	< 0.0349 U	< 0.0308 U	< 0.0337 U	< 0.0323 U	< 0.0474 U	< 0.0387 U	< 0.0283 U	< 0.0508 U	< 0.0367 U	< 0.0335 U	< 0.0437 U	--
1,2,3-Trichloropropane	mg/kg		< 0.0160 U	< 0.0188 U	< 0.0166 U	< 0.0154 U	--	< 0.0175 U	< 0.0154 U	< 0.0168 U	< 0.0162 U	< 0.0237 U	< 0.0194 U	< 0.0141 U	< 0.0254 U	< 0.0183 U	< 0.0168 U	< 0.0218 U	--
1,2,4-Trichlorobenzene	mg/kg		< 0.0256 U	< 0.0300 U	< 0.0266 U	< 0.0247 U	--	< 0.0279 U	< 0.0247 U	< 0.0270 U	< 0.0258 U	< 0.0379 U	< 0.0310 U	< 0.0226 U	< 0.0407 U	< 0.0293 U	< 0.0268 U	< 0.0349 U	--
1,2,4-Trimethylbenzene	mg/kg		< 0.0160 U	< 0.0188 U	< 0.0166 U	< 0.0154 U	--	< 0.0175 U	< 0.0154 U	< 0.0168 U	< 0.0162 U	< 0.0237 U	< 0.0194 U	< 0.0141 U	< 0.0254 U	< 0.0183 U	< 0.0168 U	< 0.0218 U	--
1,2-Dibromo-3-chloropropane	mg/kg		< 0.0385 U	< 0.0451 U	< 0.0399 U	< 0.0371 U	--	< 0.0419 U	< 0.0370 U	< 0.0404 U	< 0.0388 U	< 0.0569 U	< 0.0465 U	< 0.0339 U	< 0.0610 U	< 0.0440 U	< 0.0402 U	< 0.0524 U	--
1,2-Dibromoethane (EDB)	mg/kg	0.005	< 0.0128 U	< 0.0150 U	< 0.0133 U	< 0.0124 U	--	< 0.0140 U	< 0.0123 U	< 0.0135 U	< 0.0129 U	< 0.0190 U	< 0.0155 U	< 0.0113 U	< 0.0203 U	< 0.0147 U	< 0.0134 U	< 0.0175 U	--
1,2-Dichlorobenzene	mg/kg		< 0.0192 U	< 0.0225 U	< 0.0200 U	< 0.0185 U	--	< 0.0209 U	< 0.0185 U	< 0.0202 U	< 0.0194 U	< 0.0285 U	< 0.0232 U	< 0.0170 U	< 0.0305 U	< 0.0220 U	< 0.0201 U	< 0.0262 U	--
1,2-Dichloroethane (EDC)	mg/kg		< 0.0147 U	< 0.0173 U	< 0.0153 U	< 0.0142 U	--	< 0.0161 U	< 0.0142 U	< 0.0155 U	< 0.0149 U	< 0.0218 U	< 0.0178 U	< 0.0130 U	< 0.0234 U	< 0.0169 U	< 0.0154 U	< 0.0201 U	--
1,2-Dichloropropane	mg/kg		< 0.0128 U	< 0.0150 U	< 0.0133 U	< 0.0124 U	--	< 0.0140 U	< 0.0123 U	< 0.0135 U	< 0.0129 U	< 0.0190 U	< 0.0155 U	< 0.0113 U	< 0.0203 U	< 0.0147 U	< 0.0134 U	< 0.0175 U	--
1,3,5-Trimethylbenzene	mg/kg		< 0.0160 U	< 0.0188 U	< 0.0166 U	< 0.0154 U	--	< 0.0175 U	< 0.0154 U	< 0.0168 U	< 0.0162 U	< 0.0237 U	< 0.0194 U	< 0.0141 U	< 0.0254 U	< 0.0183 U	< 0.0168 U	< 0.0218 U	--
1,3-Dichlorobenzene	mg/kg		< 0.0224 U	< 0.0263 U	< 0.0233 U	< 0.0216 U	--	< 0.0244 U	< 0.0216 U	< 0.0236 U	< 0.0226 U	< 0.0332 U	< 0.0271 U	< 0.0198 U	< 0.0356 U	< 0.0257 U	< 0.0235 U	< 0.0306 U	--
1,3-Dichloropropane	mg/kg		< 0.0128 U	< 0.0150 U	< 0.0133 U	< 0.0124 U	--	< 0.0140 U	< 0.0123 U	< 0.0135 U	< 0.0129 U	< 0.0190 U	< 0.0155 U	< 0.0113 U	< 0.0203 U	< 0.0147 U	< 0.0134 U	< 0.0175 U	--
1,4-Dichlorobenzene	mg/kg		< 0.0192 U	< 0.0225 U	< 0.0200 U	< 0.0185 U	--	< 0.0209 U	< 0.0185 U	< 0.0202 U	< 0.0194 U	< 0.0285 U	< 0.0232 U	< 0.0170 U	< 0.0305 U	< 0.0220 U	< 0.0201 U	< 0.0262 U	--
2-Butanone	mg/kg		< 0.289 U	< 0.338 U	< 0.299 U	< 0.278 U	--	< 0.314 U	< 0.278 U	< 0.303 U	< 0.291 U	< 0.427 U	< 0.349 U	< 0.254 U	< 0.458 U	< 0.330 U	< 0.302 U	< 0.393 U	--
2-Chlorotoluene	mg/kg		< 0.0192 U	< 0.0225 U	< 0.0200 U	< 0.0185 U	--	< 0.0209 U	< 0.0185 U	< 0.0202 U	< 0.0194 U	< 0.0285 U	< 0.0232 U	< 0.0170 U	< 0.0305 U	< 0.0220 U	< 0.0201 U	< 0.0262 U	--
2-Hexanone	mg/kg		< 0.0385 U	< 0.0451 U	< 0.0399 U	< 0.0371 U	--	< 0.0419 U	< 0.0370 U	< 0.0404 U	< 0.0388 U	< 0.0569 U	< 0.0465 U	< 0.0339 U	< 0.0610 U	< 0.0440 U	< 0.0402 U	< 0.0524 U	--
4-Chlorotoluene	mg/kg		< 0.0192 U	< 0.0225 U	< 0.0200 U	< 0.0185 U	--	< 0.0209 U	< 0.0185 U	< 0.0202 U	< 0.0194 U	< 0.0285 U	< 0.0232 U	< 0.0170 U	< 0.0305 U	< 0.0220 U	< 0.0201 U	< 0.0262 U	--
4-Methyl-2-pentanone	mg/kg		< 0.0481 U	< 0.0563 U	< 0.0499 U	< 0.0463 U	--	< 0.0524 U	< 0.0463 U	< 0.0505 U	< 0.0485 U	< 0.0711 U	< 0.0581 U	< 0.0424 U	< 0.0763 U	< 0.0550 U	< 0.0503 U	< 0.0655 U	--
Acetone	mg/kg		< 0.577 U	< 0.676 U	< 0.599 U	< 0.556 U	--	< 0.628 U	< 0.555 U	< 0.607 U	< 0.582 U	< 0.854 U	< 0.697 U	< 0.509 U	< 0.915 U	< 0.660 U	< 0.604 U	< 0.786 U	--
Bromobenzene	mg/kg		< 0.0192 U	< 0.0225 U	< 0.0200 U	< 0.0185 U	--	< 0.0209 U	< 0.0185 U	< 0.0202 U	< 0.0194 U	< 0.0285 U	< 0.0232 U	< 0.0170 U	< 0.0305 U	< 0.0220 U	< 0.0201 U	< 0.0262 U	--
Bromodichloromethane	mg/kg		< 0.0160 U	< 0.0188 U	< 0.0166 U	< 0.0154 U	--	< 0.0175 U	< 0.0154 U	< 0.0168 U	< 0.0162 U	< 0.0237 U	< 0.0194 U	< 0.0141 U	< 0.0254 U	< 0.0183 U	< 0.0168 U	< 0.0218 U	--
Bromoform	mg/kg		< 0.0160 U	< 0.0188 U	< 0.0166 U	< 0.0154 U	--	< 0.0175 U	< 0.0154 U	< 0.0168 U	< 0.0162 U	< 0.0237 U	< 0.0194 U	< 0.0141 U	< 0.0254 U	< 0.0183 U	< 0.0168 U	< 0.0218 U	--
Bromomethane	mg/kg		< 0.0962 U	< 0.113 U	< 0.0998 U	< 0.0927 U	--	< 0.105 U	< 0.0925 U	< 0.101 U	< 0.0969 U	< 0.142 U	< 0.116 U	< 0.0848 U	< 0.153 U	< 0.110 U	< 0.101 U	< 0.131 U	--
Carbon Tetrachloride	mg/kg		< 0.0481 U	< 0.0563 U	< 0.0499 U	< 0.0463 U	--	< 0.0524 U	< 0.0463 U	< 0.0505 U	< 0.0485 U	< 0.0711 U	< 0.0581 U	< 0.0424 U	< 0.0763 U	< 0.0550 U	< 0.0503 U	< 0.0655 U	--
Chlorobenzene	mg/kg		< 0.0160 U	< 0.0188 U	< 0.0166 U	< 0.0154 U	--	< 0.0175 U	< 0.0154 U	< 0.0168 U	< 0.0162 U	< 0.0237 U	< 0.0194 U	< 0.0141 U	< 0.0254 U	< 0.0183 U	< 0.0168 U	< 0.0218 U	--
Chloroethane	mg/kg		< 0.0769 U	< 0.0901 U	< 0.0799 U	< 0.0741 U	--	< 0.0838 U	< 0.0740 U	< 0.0809 U	< 0.0775 U	< 0.114 U	< 0.0929 U	< 0.0678 U	< 0.122 UJ	< 0.0880 U	< 0.0805 U	< 0.105 U	--
Chloroform	mg/kg		< 0.0160 U	< 0.0188 U	< 0.0166 U	< 0.0154 U	--	< 0.0175 U	< 0.0154 U	< 0.0168 U	< 0.0162 U	< 0.0237 U	< 0.0194 U	< 0.0141 U	< 0.0254 U	< 0.0183 U	< 0.0168 U	< 0.0218 U	--
Chloromethane	mg/kg		< 0.0513 U	< 0.0601 U	< 0.0532 U	< 0.0494 U	--	< 0.0558 U	< 0.0493 U	< 0.0539 U	< 0.0517 U	< 0.0759 U	< 0.0620 U	< 0.0452 U	< 0.0813 U	< 0.0587 U	< 0.0537 U	< 0.0699 U	--
cis-1,2-Dichloroethene (cDCE)	mg/kg		< 0.0160 U	< 0.0188 U	< 0.0166 U	< 0.0154 U	--	< 0.0175 U	< 0.0154 U	< 0.0168 U	< 0.0162 U	< 0.0237 U	< 0.0194 U	< 0.0141 U	< 0.0254 U	< 0.0183 U	< 0.0168 U	< 0.0218 U	--
cis-1,3-Dichloropropene	mg/kg		< 0.0513 U	< 0.0601 U	< 0.0532 U	< 0.0494 U	--	< 0.0558 U	< 0.0493 U	< 0.0539 U	< 0.0517 U	< 0.0759 U	< 0.0620 U	< 0.0452 U	< 0.0813 U	< 0.0587 U	< 0.0537 U	< 0.0699 U	--
Dibromochloromethane	mg/kg		< 0.0128 U	< 0.0150 U	< 0.0133 U	< 0.0124 U	--	< 0.0140 U	< 0.0123 U	< 0.0135 U	< 0.0129 U	< 0.0190 U	< 0.0155 U	< 0.0113 U	< 0.0203 U	< 0.0147 U	< 0.0134 U	< 0.0175 U	--
Dibromomethane	mg/kg		< 0.0128 U	< 0.0150 U	< 0.0133 U	< 0.0124 U	--	< 0.0140 U	< 0.0123 U	< 0.0135 U	< 0.0129 U	< 0.0190 U	< 0.0155 U	< 0.0113 U	< 0.0203 U	< 0.0147 U	< 0.0134 U	< 0.0175 U	--
Dichlorodifluoromethane	mg/kg		< 0.0321 U	< 0.0376 U	< 0.0333 U	< 0.0309 U	--	< 0.0349 U	< 0.0308 U	< 0.0337 U	< 0.0323 U	< 0.0474 U	< 0.0387 U	< 0.0283 U	< 0.0508 UJ	< 0.0367 U	< 0.0335 U	< 0.0437 U	--
Hexachlorobutadiene	mg/kg		< 0.0321 U	< 0.0376 U	< 0.0333 U	< 0.0309 U	--	< 0.0349 U	< 0.0308 U	< 0.0337 U	< 0.0323 U	< 0.0474 U	< 0.0387 U	< 0.0283 U	< 0.0508 U	< 0.0367 U	< 0.0335 U	< 0.0437 U	--
Isopropylbenzene	mg/kg		< 0.0192 U	< 0.0225 U	< 0.0200 U	< 0.0185 U	--	< 0.0209 U	< 0.0185 U	< 0.0202 U	< 0.0194 U	< 0.0285 U	< 0.0232 U	< 0.0170 U	< 0.0305 U	< 0.0220 U	< 0.0201 U	< 0.0262 U	--
m,p-Xylenes	mg/kg		< 0.0321 U	< 0.0376 U	< 0.0333 U	< 0.0309 U	--	< 0.0349 U	< 0.0308 U	< 0.0337 U	< 0.0323 U	< 0.0474 U	< 0.0387 U	< 0.0283 U	< 0.0508 U	< 0.0367 U	< 0.0335 U	< 0.0437 U	--
Methyl tert-butyl ether (MTBE)	mg/kg	0.1	< 0.0192 U	< 0.0225 U	< 0.0200 U	< 0.0185 U	--	< 0.0209 U	< 0.0185 U	< 0.0202 U	< 0.0194 U	< 0.0285 U	< 0.0232 U	< 0.0170 U	< 0.0305 U	< 0.0220 U	< 0.0201 U	< 0.0262 U	--
Methylene Chloride	mg/kg	0.02	**0.0368 ***	**0.0310 ***	**0.0502 ***	**0.0367 ***	--	**0.0347 ***	**0.0279 ***	< 0.0135 U	< 0.0129 U	< 0.0190 U	**0.0292 ***	**0.0163 ***	**0.0287 ***	< 0.0147 U	**0.0223 ***	< 0.0175 U	--
n-Butylbenzene	mg/kg		< 0.0256 U	< 0.0300 U	< 0.0266 U	< 0.0247 U	--	< 0.0279 U	< 0.0247 U	< 0.0270 U	< 0.0258 U	< 0.0379 U	< 0.0310 U	< 0.0226 U	< 0.0407 U	< 0.0293 U	< 0.0268 U	< 0.0349 U	--
n-Propylbenzene	mg/kg		< 0.0192 U	< 0.0225 U	< 0.0200 U	< 0.0185 U	--	< 0.0209 U	< 0.0185 U	< 0.0202 U	< 0.0194 U	< 0.0285 U	< 0.0232 U	< 0.0170 U	< 0.0305 U	< 0.0220 U	< 0.0201 U	< 0.0262 U	--
o-Xylene	mg/kg		< 0.0160 U	< 0.0188 U	< 0.0166 U	< 0.0154 U	--	< 0.0175 U	< 0.0154 U	< 0.0168 U	< 0.0162 U	< 0.0237 U	< 0.0194 U	< 0.0141 U	< 0.0254 U	< 0.0183 U	< 0.0168 U	< 0.0218 U	--
p-Isopropyltoluene	mg/kg		< 0.0192 U	< 0.0225 U	< 0.0200 U	< 0.0185 U	--	< 0.0209 U	< 0.0185 U	< 0.0202 U	< 0.0194 U	< 0.0285 U	< 0.0232 U	< 0.0170 U	< 0.0305 U	< 0.0220 U	< 0.0201 U	< 0.0262 U	--
sec-Butylbenzene	mg/kg		< 0.0192 U	< 0.0225 U	< 0.0200 U	< 0.0185 U	--	< 0.0209 U	< 0.0185 U	< 0.0202 U	< 0.0194 U	< 0.0285 U	< 0.0232 U	< 0.0170 U	< 0.0305 U	< 0.0220 U	< 0.0201 U	< 0.0262 U	--
Styrene	mg/kg		< 0.0160 U	< 0.0188 U	< 0.0166 U	< 0.0154 U	--	< 0.0175 U	< 0.0154 U	< 0.0168 U	< 0.0162 U	< 0.0237 U	< 0.0194 U	< 0.0141 U	< 0.0254 U	< 0.0183 U	< 0.0168 U	< 0.0218 U	--
tert-Butylbenzene	mg/kg		< 0.0192 U	< 0.0225 U	< 0.0200 U	< 0.0185 U	--	< 0.0209 U	< 0.0185 U	< 0.0202 U	< 0.0194 U	< 0.0285 U	< 0.0232 U	< 0.0170 U	< 0.0305 U	< 0.0220 U	< 0.0201 U	< 0.0262 U	--
Tetrachloroethene (PCE)	mg/kg	0.05	< 0.0256 U	< 0.0300 U	< 0.0266 U	< 0.0247 U	--	< 0.0279 U	< 0.0247 U	< 0.0270 U	< 0.0258 U	< 0.0379 U	< 0.0310 U	< 0.0226 U	< 0.0407 U	< 0.0293 U	< 0.0268 U	< 0.0349 U	--
trans-1,2-Dichloroethene	mg/kg		< 0.0192 U	< 0.0225 U	< 0.0200 U	< 0.0185 U	--	< 0.0209 U	< 0.0185 U	< 0.0202 U	< 0.0194 U	< 0.0285 U	< 0.0232 U	< 0.0170 U	< 0.0305 U	< 0.0220 U	< 0.0201 U	< 0.0262 U	--
trans-1,3-Dichloropropene	mg/kg		< 0.0321 U	< 0.0376 U	< 0.0333 U	< 0.0309 U	--	< 0.0349 U	< 0.0308 U	< 0.0337 U	< 0.0323 U	< 0.0474 U	< 0.0387 U	< 0.0283 U	< 0.0508 U	< 0.0367 U	< 0.0335 U	< 0.0437 U	--
Trichloroethene (TCE)	mg/kg	0.03	< 0.0160 U	< 0.0188 U	< 0.0166 U	< 0.0154 U	--	< 0.0175 U	< 0.0154 U	< 0.0168 U	< 0.0162 U	< 0.0237 U	< 0.0194 U	< 0.0141 U	< 0.0254 U	< 0.0183 U	< 0.0168 U	< 0.0218 U	--
Trichlorofluoromethane	mg/kg		< 0.0321 U	< 0.0376 U	< 0.0333 U	< 0.0309 U	--	< 0.0349 U	< 0.0308 U	< 0.0337 U	< 0.0323 U	< 0.0474 U	< 0.0387 U	< 0.0283 U	< 0.0508 U	< 0.0367 U	< 0.0335 U	< 0.0437 U	--
Vinyl Chloride	mg/kg		< 0.0160 U	< 0.0188 U	< 0.0166 U	< 0.0154 U	--	< 0.0175 U	< 0.0154 U	< 0.0168 U	< 0.0162 U	< 0.0237 U	< 0.0194 U	< 0.0141 U	< 0.0254 U	< 0.0183 U	< 0.0168 U	< 0.0218 U	--

Table 1. Site Characterization Soil Quality Data

Project No. 26000940, Swedish First Hill Campus Expansion - Block 95, Seattle, Washington

		Sample Location	B95-AB-07	B95-AB-07	B95-AB-08	B95-AB-08	B95-AB-08	B95-AB-08	B95-AB-09	B95-AB-09	B95-AB-10	B95-AB-10	B95-AB-10	B95-AB-11	B95-AB-11	B95-AB-12	B95-AB-12	B95-AB-12	B95-AB-13	B95-AB-13
		Sample Date	04/29/2021	04/29/2021	04/28/2021	04/28/2021	04/28/2021	04/28/2021	04/29/2021	04/29/2021	08/30/2021	08/30/2021	08/30/2021	08/26/2021	08/26/2021	08/27/2021	08/27/2021	08/27/2021	08/27/2021	08/27/2021
		Sample Name	B95-AB-07-16.5	B95-AB-07-23	B95-AB-08-6.5	B95-AB-08-9	B95-AB-08-18	B95-AB-08-22.5	B95-AB-09-4.5-1	B95-AB-09-4.5-2	B95-AB-10-5	B95-AB-10-15	B95-AB-10-30	B95-AB-11-15'	B95-AB-11-25'	B95-AB-12-7.5	B95-AB-12-15	B95-AB-12-30	B95-AB-13-7.5	B95-AB-13-10
		Sample Depth	16.5 ft	23 ft	6.5 ft	9 ft	18 ft	22.5 ft	4.5 ft	4.5 ft	5 ft	15 ft	30 ft	15 ft	25 ft	7.5 ft	15 ft	30 ft	7.5 ft	10 ft
		Sample Type	native soil	native soil	native soil	native soil	native soil	native soil	fill soil	fill soil	fill soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	fill soil	native soil
Analyte	**Unit**	**MTCA Method A Cleanup Level**																		
Petroleum Hydrocarbons																				
Gasoline Range Organics	mg/kg	100	< 3.40 U	< 3.29 U	< 3.30 U	< 4.56 U	< 4.55 U	--	< 3.29 U	**5.51**	< 6.40 U	< 5.50 U	< 6.02 U	< 5.28 U	< 5.79 U	< 6.39 U	< 4.86 U	< 6.85 U	< 5.01 U	< 5.54 U
Diesel Range Organics	mg/kg	2000	< 53.1 U	< 49.8 U	< 53.2 U	< 58.0 U	< 52.0 U	--	< 46.0 U	< 51.4 U	< 49.3 U	< 54.1 U	< 52.6 U	< 47.4 U	< 49.1 U	< 52.0 U	< 50.1 U	< 56.0 U	< 49.9 U	< 51.7 U
Motor Oil Range Organics	mg/kg	2000	< 106 U	< 99.5 U	< 106 U	< 116 U	< 104 U	--	< 92.0 U	**1150**	< 98.6 U	< 108 U	< 105 U	< 94.9 U	< 98.3 U	< 104 U	< 100 U	< 112 U	< 99.8 U	< 103 U
Diesel & Oil Extended Range Organics	mg/kg	2000	< 159 U	< 149 U	< 159 U	< 174 U	< 156 U	--	< 138 U	**1150**	< 148 U	< 162 U	< 158 U	< 142 U	< 147 U	< 156 U	< 150 U	< 168 U	< 150 U	< 155 U
Mineral Spirits	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BTEX																				
Benzene	mg/kg	0.03	< 0.0136 U	< 0.0132 U	< 0.0132 U	< 0.0182 U	< 0.0182 U	--	< 0.0132 U	< 0.0201 U	< 0.0256 U	< 0.0220 U	< 0.0241 U	< 0.0211 U	< 0.0232 U	< 0.0255 U	< 0.0194 U	< 0.0274 U	< 0.0200 U	< 0.0222 U
Toluene	mg/kg	7	< 0.0442 U	< 0.0428 U	< 0.0429 U	< 0.0593 U	< 0.0592 U	--	< 0.0428 U	< 0.0652 U	< 0.0384 U	< 0.0330 U	< 0.0361 U	< 0.0317 U	< 0.0347 U	< 0.0383 U	< 0.0292 U	< 0.0411 U	< 0.0301 U	< 0.0332 U
Ethylbenzene	mg/kg	6	< 0.0170 U	< 0.0165 U	< 0.0165 U	< 0.0228 U	< 0.0228 U	--	< 0.0165 U	< 0.0251 U	< 0.0320 U	< 0.0275 U	< 0.0301 U	< 0.0264 U	< 0.0289 U	< 0.0319 U	< 0.0243 U	< 0.0342 U	< 0.0251 U	< 0.0277 U
Total Xylenes	mg/kg	9	< 0.034 U	< 0.0329 U	< 0.033 U	< 0.0456 U	< 0.0455 U	--	< 0.0329 U	< 0.0502 U	< 0.064 U	< 0.055 U	< 0.0602 U	< 0.0528 U	< 0.0579 U	< 0.0639 U	< 0.0486 U	< 0.0685 U	< 0.0501 U	< 0.0554 U
Metals																				
Arsenic	mg/kg	20	**2.24**	**2.97**	**3.62**	**9.07**	**2.50**	--	**10.1**	**21.4**	**4.17**	**2.91**	**2.76**	**3.23**	**1.83**	**4.39**	**2.53**	**2.60**	**7.07**	**3.73**
Barium	mg/kg		**56.6**	**48.3**	**66.6**	**110**	**60.2**	--	**96.0**	**104**	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	2	< 0.175 U	< 0.165 U	< 0.173 U	< 0.174 U	< 0.185 U	--	**0.190**	< 0.172 U	--	--	--	--	--	--	--	--	--	--
Chromium	mg/kg	2,000	**33.7**	**36.3**	**35.5**	**44.8**	**28.5**	--	**33.4**	**29.1**	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	250	**2.06**	**2.16**	**2.74**	**10.9**	**1.94**	--	**63.0**	**9.78**	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	2	< 0.238 U	< 0.248 U	< 0.269 U	< 0.264 U	< 0.256 U	--	< 0.266 U	< 0.273 U	--	--	--	--	--	--	--	--	--	--
Selenium	mg/kg		**0.800 J**	**0.760 J**	**1.16**	**1.10**	**0.969**	--	**0.529 J**	**0.463 J**	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg		< 0.131 U	< 0.124 U	< 0.130 U	< 0.131 U	< 0.139 U	--	< 0.123 U	< 0.129 U	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons (PAHs)																				
1-Methylnaphthalene	ug/kg		< 18.9 U	< 18.3 U	< 20.3 U	< 20.5 U	< 20.1 U	--	< 18.9 U	**20.2**	< 20.3 U	< 21.6 U	< 20.3 U	--	--	--	--	--	--	--
2-Methylnaphthalene	ug/kg		< 18.9 U	< 18.3 U	< 20.3 U	< 20.5 U	< 20.1 U	--	< 18.9 U	**24.3**	< 20.3 U	< 21.6 U	< 20.3 U	--	--	--	--	--	--	--
Acenaphthene	ug/kg		< 18.9 U	< 18.3 U	< 20.3 U	< 20.5 U	< 20.1 U	--	< 18.9 U	**54.0**	< 20.3 U	< 21.6 U	< 20.3 U	--	--	--	--	--	--	--
Acenaphthylene	ug/kg		< 18.9 U	< 18.3 U	< 20.3 U	< 20.5 U	< 20.1 U	--	< 18.9 U	< 19.8 U	< 20.3 U	< 21.6 U	< 20.3 U	--	--	--	--	--	--	--
Anthracene	ug/kg		< 37.9 U	< 36.5 U	< 40.6 U	< 41.0 U	< 40.2 U	--	< 37.7 U	**45.4**	< 40.5 U	< 43.2 U	< 40.6 U	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	ug/kg		< 18.9 U	< 18.3 U	< 20.3 U	**25.6**	< 20.1 U	--	**30.7**	**32.0**	< 20.3 U	< 21.6 U	< 20.3 U	--	--	--	--	--	--	--
Fluoranthene	ug/kg		< 37.9 U	< 36.5 U	< 40.6 U	**88.4**	< 40.2 U	--	**105**	**258**	< 40.5 U	< 43.2 U	< 40.6 U	--	--	--	--	--	--	--
Fluorene	ug/kg		< 18.9 U	< 18.3 U	< 20.3 U	< 20.5 U	< 20.1 U	--	< 18.9 U	**32.5**	< 20.3 U	< 21.6 U	< 20.3 U	--	--	--	--	--	--	--
Naphthalene	mg/kg	5	< 0.0681 U	< 0.0658 U	< 0.0660 U	< 0.0912 U	< 0.0910 U	--	< 0.0659 U	< 0.100 U	< 0.128 U	< 0.110 U	< 0.120 U	< 0.106 U	< 0.116 U	< 0.128 U	< 0.0972 U	< 0.137 U	< 0.100 U	< 0.111 U
Naphthalene	ug/kg	5000	< 18.9 U	< 18.3 U	< 20.3 U	< 20.5 U	< 20.1 U	--	< 18.9 U	**39.2**	< 20.3 U	< 21.6 U	< 20.3 U	--	--	--	--	--	--	--
Phenanthrene	ug/kg		< 37.9 U	< 36.5 U	< 40.6 U	**66.2**	< 40.2 U	--	**64.1**	**322**	< 40.5 U	< 43.2 U	< 40.6 U	--	--	--	--	--	--	--
Pyrene	ug/kg		< 37.9 U	< 36.5 U	< 40.6 U	**97.0**	< 40.2 U	--	**99.3**	**200**	< 40.5 U	< 43.2 U	< 40.6 U	--	--	--	--	--	--	--
Benz(a)anthracene	ug/kg		< 18.9 U	< 18.3 U	< 20.3 U	**41.1**	< 20.1 U	< 20.0 UJ	**55.0**	**99.5**	< 20.3 U	< 21.6 U	< 20.3 U	--	--	--	--	--	--	--
Benzo(a)pyrene	ug/kg	100	< 18.9 U	< 18.3 U	< 20.3 U	**40.1**	< 20.1 U	< 20.0 UJ	**64.4**	**95.9**	< 20.3 U	< 21.6 U	< 20.3 U	--	--	--	--	--	--	--
Benzo(b)fluoranthene	ug/kg		< 18.9 U	< 18.3 U	< 20.3 U	**22.2**	< 20.1 U	< 20.0 UJ	**53.3**	**66.8**	< 20.3 U	< 21.6 U	< 20.3 U	--	--	--	--	--	--	--
Benzo(k)fluoranthene	ug/kg		< 18.9 U	< 18.3 U	< 20.3 U	**33.9**	< 20.1 U	< 20.0 UJ	**47.9**	**76.9**	< 20.3 U	< 21.6 U	< 20.3 U	--	--	--	--	--	--	--
Chrysene	ug/kg		< 37.9 U	< 36.5 U	< 40.6 U	< 41.0 U	< 40.2 U	< 40.0 UJ	**59.4**	**150**	< 40.5 U	< 43.2 U	< 40.6 U	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	ug/kg		< 37.9 U	< 36.5 U	< 40.6 U	< 41.0 U	< 40.2 U	< 40.0 UJ	< 37.7 U	< 39.7 U	< 40.5 U	< 43.2 U	< 40.6 U	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	ug/kg		< 37.9 U	< 36.5 U	< 40.6 U	< 41.0 U	< 40.2 U	< 40.0 UJ	< 37.7 U	< 39.7 U	< 40.5 U	< 43.2 U	< 40.6 U	--	--	--	--	--	--	--
Total cPAHs TEQ (ND = 1/2 RDL)	ug/kg	100	< 16.3 U	< 15.7 U	< 17.5 U	**54.1**	< 17.3 U	< 17.2 U	**84.4**	**125.7**	< 17.4 U	< 18.6 U	< 17.5 U	--	--	--	--	--	--	--

Table 1. Site Characterization Soil Quality Data

Project No. 26000940, Swedish First Hill Campus Expansion - Block 95, Seattle, Washington

		Sample Location	B95-AB-07	B95-AB-07	B95-AB-08	B95-AB-08	B95-AB-08	B95-AB-08	B95-AB-09	B95-AB-09	B95-AB-10	B95-AB-10	B95-AB-10	B95-AB-11	B95-AB-11	B95-AB-12	B95-AB-12	B95-AB-12	B95-AB-13	B95-AB-13
		Sample Date	04/29/2021	04/29/2021	04/28/2021	04/28/2021	04/28/2021	04/28/2021	04/29/2021	04/29/2021	08/30/2021	08/30/2021	08/30/2021	08/26/2021	08/26/2021	08/27/2021	08/27/2021	08/27/2021	08/27/2021	08/27/2021
		Sample Name	B95-AB-07-16.5	B95-AB-07-23	B95-AB-08-6.5	B95-AB-08-9	B95-AB-08-18	B95-AB-08-22.5	B95-AB-09-4.5-1	B95-AB-09-4.5-2	B95-AB-10-5	B95-AB-10-15	B95-AB-10-30	B95-AB-11-15'	B95-AB-11-25'	B95-AB-12-7.5	B95-AB-12-15	B95-AB-12-30	B95-AB-13-7.5	B95-AB-13-10
		Sample Depth	16.5 ft	23 ft	6.5 ft	9 ft	18 ft	22.5 ft	4.5 ft	4.5 ft	5 ft	15 ft	30 ft	15 ft	25 ft	7.5 ft	15 ft	30 ft	7.5 ft	10 ft
		Sample Type	native soil	native soil	native soil	native soil	native soil	native soil	fill soil	fill soil	fill soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	fill soil	native soil
Analyte	**Unit**	**MTCA Method A Cleanup Level**																		
Volatile Organic Compounds (VOCs)																				
1,1,1,2-Tetrachloroethane	mg/kg		< 0.0136 U	< 0.0132 U	< 0.0132 U	< 0.0182 U	< 0.0182 U	--	< 0.0132 U	< 0.0201 U	< 0.0256 U	< 0.0220 U	< 0.0241 U	< 0.0211 U	< 0.0232 U	< 0.0255 U	< 0.0194 U	< 0.0274 U	< 0.0200 U	< 0.0222 U
1,1,1-Trichloroethane	mg/kg	2	< 0.0170 U	< 0.0165 U	< 0.0165 U	< 0.0228 U	< 0.0228 U	--	< 0.0165 U	< 0.0251 U	< 0.0320 U	< 0.0275 U	< 0.0301 U	< 0.0264 U	< 0.0289 U	< 0.0319 U	< 0.0243 U	< 0.0342 U	< 0.0251 U	< 0.0277 U
1,1,2,2-Tetrachloroethane	mg/kg		< 0.0102 UJ	< 0.00987 UJ	< 0.00990 U	< 0.0137 U	< 0.0137 U	--	< 0.00988 UJ	< 0.0150 UJ	< 0.0192 U	< 0.0165 U	< 0.0181 U	< 0.0158 U	< 0.0174 U	< 0.0192 U	< 0.0146 U	< 0.0205 U	< 0.0150 U	< 0.0166 U
1,1,2-Trichloroethane	mg/kg		< 0.0116 U	< 0.0112 U	< 0.0112 U	< 0.0155 U	< 0.0155 U	--	< 0.0112 U	< 0.0171 U	< 0.0218 U	< 0.0187 U	< 0.0205 U	< 0.0180 U	< 0.0197 U	< 0.0217 U	< 0.0165 U	< 0.0233 U	< 0.0170 U	< 0.0188 U
1,1-Dichloroethane	mg/kg		< 0.0170 U	< 0.0165 U	< 0.0165 U	< 0.0228 U	< 0.0228 U	--	< 0.0165 U	< 0.0251 U	< 0.0320 U	< 0.0275 U	< 0.0301 U	< 0.0264 U	< 0.0289 U	< 0.0319 U	< 0.0243 U	< 0.0342 U	< 0.0251 U	< 0.0277 U
1,1-Dichloroethene	mg/kg		< 0.0408 U	< 0.0395 U	< 0.0396 U	< 0.0547 U	< 0.0546 U	--	< 0.0395 U	< 0.0602 U	< 0.128 U	< 0.110 U	< 0.120 U	< 0.106 U	< 0.116 U	< 0.128 U	< 0.0972 U	< 0.137 U	< 0.100 U	< 0.111 U
1,1-Dichloropropene	mg/kg		< 0.0170 U	< 0.0165 U	< 0.0165 U	< 0.0228 U	< 0.0228 U	--	< 0.0165 U	< 0.0251 U	< 0.0320 U	< 0.0275 U	< 0.0301 U	< 0.0264 U	< 0.0289 U	< 0.0319 U	< 0.0243 U	< 0.0342 U	< 0.0251 U	< 0.0277 U
1,2,3-Trichlorobenzene	mg/kg		< 0.0340 U	< 0.0329 U	< 0.0330 U	< 0.0456 U	< 0.0455 U	--	< 0.0329 U	< 0.0502 U	< 0.0640 U	< 0.0550 U	< 0.0602 U	< 0.0528 U	< 0.0579 U	< 0.0639 U	< 0.0486 U	< 0.0685 U	< 0.0501 U	< 0.0554 U
1,2,3-Trichloropropane	mg/kg		< 0.0170 U	< 0.0165 U	< 0.0165 U	< 0.0228 U	< 0.0228 U	--	< 0.0165 U	< 0.0251 U	< 0.0320 U	< 0.0275 U	< 0.0301 U	< 0.0264 U	< 0.0289 U	< 0.0319 U	< 0.0243 U	< 0.0342 U	< 0.0251 U	< 0.0277 U
1,2,4-Trichlorobenzene	mg/kg		< 0.0272 U	< 0.0263 U	< 0.0264 U	< 0.0365 U	< 0.0364 U	--	< 0.0264 U	< 0.0401 U	< 0.0512 U	< 0.0440 U	< 0.0482 U	< 0.0422 U	< 0.0463 U	< 0.0511 U	< 0.0389 U	< 0.0548 U	< 0.0401 U	< 0.0443 U
1,2,4-Trimethylbenzene	mg/kg		< 0.0170 U	< 0.0165 U	< 0.0165 U	< 0.0228 U	< 0.0228 U	--	< 0.0165 U	< 0.0251 U	< 0.0320 U	< 0.0275 U	< 0.0301 U	< 0.0264 U	< 0.0289 U	< 0.0319 U	< 0.0243 U	< 0.0342 U	< 0.0251 U	< 0.0277 U
1,2-Dibromo-3-chloropropane	mg/kg		< 0.0408 U	< 0.0395 U	< 0.0396 U	< 0.0547 U	< 0.0546 U	--	< 0.0395 U	< 0.0602 U	< 0.0768 U	< 0.0660 U	< 0.0723 U	< 0.0634 U	< 0.0695 U	< 0.0766 U	< 0.0583 U	< 0.0821 U	< 0.0601 U	< 0.0665 U
1,2-Dibromoethane (EDB)	mg/kg	0.005	< 0.0136 U	< 0.0132 U	< 0.0132 U	< 0.0182 U	< 0.0182 U	--	< 0.0132 U	< 0.0201 U	< 0.0128 U	< 0.0110 U	< 0.0120 U	< 0.0106 U	< 0.0116 U	< 0.0128 U	< 0.00972 U	< 0.0137 U	< 0.0100 U	< 0.0111 U
1,2-Dichlorobenzene	mg/kg		< 0.0204 U	< 0.0197 U	< 0.0198 U	< 0.0274 U	< 0.0273 U	--	< 0.0198 U	< 0.0301 U	< 0.0384 U	< 0.0330 U	< 0.0361 U	< 0.0317 U	< 0.0347 U	< 0.0383 U	< 0.0292 U	< 0.0411 U	< 0.0301 U	< 0.0332 U
1,2-Dichloroethane (EDC)	mg/kg		< 0.0157 U	< 0.0151 U	< 0.0152 U	< 0.0210 U	< 0.0209 U	--	< 0.0152 U	< 0.0231 U	< 0.0294 U	< 0.0253 U	< 0.0277 U	< 0.0243 U	< 0.0266 U	< 0.0294 U	< 0.0224 U	< 0.0315 U	< 0.0231 U	< 0.0255 U
1,2-Dichloropropane	mg/kg		< 0.0136 U	< 0.0132 U	< 0.0132 U	< 0.0182 U	< 0.0182 U	--	< 0.0132 U	< 0.0201 U	< 0.0256 U	< 0.0220 U	< 0.0241 U	< 0.0211 U	< 0.0232 U	< 0.0255 U	< 0.0194 U	< 0.0274 U	< 0.0200 U	< 0.0222 U
1,3,5-Trimethylbenzene	mg/kg		< 0.0170 U	< 0.0165 U	< 0.0165 U	< 0.0228 U	< 0.0228 U	--	< 0.0165 U	< 0.0251 U	< 0.0320 U	< 0.0275 U	< 0.0301 U	< 0.0264 U	< 0.0289 U	< 0.0319 U	< 0.0243 U	< 0.0342 U	< 0.0251 U	< 0.0277 U
1,3-Dichlorobenzene	mg/kg		< 0.0238 U	< 0.0230 U	< 0.0231 U	< 0.0319 U	< 0.0319 U	--	< 0.0231 U	< 0.0351 U	< 0.0448 U	< 0.0385 U	< 0.0422 U	< 0.0370 U	< 0.0405 U	< 0.0447 U	< 0.0340 U	< 0.0479 U	< 0.0351 U	< 0.0388 U
1,3-Dichloropropane	mg/kg		< 0.0136 U	< 0.0132 U	< 0.0132 U	< 0.0182 U	< 0.0182 U	--	< 0.0132 U	< 0.0201 U	< 0.0256 U	< 0.0220 U	< 0.0241 U	< 0.0211 U	< 0.0232 U	< 0.0255 U	< 0.0194 U	< 0.0274 U	< 0.0200 U	< 0.0222 U
1,4-Dichlorobenzene	mg/kg		< 0.0204 U	< 0.0197 U	< 0.0198 U	< 0.0274 U	< 0.0273 U	--	< 0.0198 U	< 0.0301 U	< 0.0384 U	< 0.0330 U	< 0.0361 U	< 0.0317 U	< 0.0347 U	< 0.0383 U	< 0.0292 U	< 0.0411 U	< 0.0301 U	< 0.0332 U
2-Butanone	mg/kg		< 0.306 U	< 0.296 U	< 0.297 U	< 0.411 U	< 0.410 U	--	< 0.296 U	< 0.451 U	< 0.576 U	< 0.495 U	< 0.542 U	< 0.475 U	< 0.521 U	< 0.575 U	< 0.437 U	< 0.616 U	< 0.451 U	< 0.499 U
2-Chlorotoluene	mg/kg		< 0.0204 U	< 0.0197 U	< 0.0198 U	< 0.0274 U	< 0.0273 U	--	< 0.0198 U	< 0.0301 U	< 0.0384 U	< 0.0330 U	< 0.0361 U	< 0.0317 U	< 0.0347 U	< 0.0383 U	< 0.0292 U	< 0.0411 U	< 0.0301 U	< 0.0332 U
2-Hexanone	mg/kg		< 0.0408 U	< 0.0395 U	< 0.0396 U	< 0.0547 U	< 0.0546 U	--	< 0.0395 U	< 0.0602 U	< 0.0768 U	< 0.0660 U	< 0.0723 U	< 0.0634 U	< 0.0695 U	< 0.0766 U	< 0.0583 U	< 0.0821 U	< 0.0601 U	< 0.0665 U
4-Chlorotoluene	mg/kg		< 0.0204 U	< 0.0197 U	< 0.0198 U	< 0.0274 U	< 0.0273 U	--	< 0.0198 U	< 0.0301 U	< 0.0384 U	< 0.0330 U	< 0.0361 U	< 0.0317 U	< 0.0347 U	< 0.0383 U	< 0.0292 U	< 0.0411 U	< 0.0301 U	< 0.0332 U
4-Methyl-2-pentanone	mg/kg		< 0.0510 U	< 0.0494 U	< 0.0495 U	< 0.0684 U	< 0.0683 U	--	< 0.0494 U	< 0.0752 U	< 0.0960 U	< 0.0825 U	< 0.0904 U	< 0.0792 U	< 0.0868 U	< 0.0958 U	< 0.0729 U	< 0.103 U	< 0.0752 U	< 0.0831 U
Acetone	mg/kg		< 0.612 U	< 0.592 U	< 0.594 U	< 0.821 U	< 0.819 U	--	< 0.593 U	< 0.903 U	< 0.640 U	< 0.550 U	< 0.602 U	< 0.528 U	< 0.579 U	< 0.639 U	< 0.486 U	< 0.685 U	< 0.501 U	< 0.554 U
Bromobenzene	mg/kg		< 0.0204 U	< 0.0197 U	< 0.0198 U	< 0.0274 U	< 0.0273 U	--	< 0.0198 U	< 0.0301 U	< 0.0384 U	< 0.0330 U	< 0.0361 U	< 0.0317 U	< 0.0347 U	< 0.0383 U	< 0.0292 U	< 0.0411 U	< 0.0301 U	< 0.0332 U
Bromodichloromethane	mg/kg		< 0.0170 U	< 0.0165 U	< 0.0165 U	< 0.0228 U	< 0.0228 U	--	< 0.0165 U	< 0.0251 U	< 0.0320 U	< 0.0275 U	< 0.0301 U	< 0.0264 U	< 0.0289 U	< 0.0319 U	< 0.0243 U	< 0.0342 U	< 0.0251 U	< 0.0277 U
Bromoform	mg/kg		< 0.0170 U	< 0.0165 U	< 0.0165 U	< 0.0228 U	< 0.0228 U	--	< 0.0165 U	< 0.0251 U	< 0.0320 U	< 0.0275 U	< 0.0301 U	< 0.0264 U	< 0.0289 U	< 0.0319 U	< 0.0243 U	< 0.0342 U	< 0.0251 U	< 0.0277 U
Bromomethane	mg/kg		< 0.102 U	< 0.0987 U	< 0.0990 U	< 0.137 U	< 0.137 U	--	< 0.0988 U	< 0.150 U	< 0.192 U	< 0.165 U	< 0.181 U	< 0.158 U	< 0.174 U	< 0.192 U	< 0.146 U	< 0.205 U	< 0.150 U	< 0.166 U
Carbon Tetrachloride	mg/kg		< 0.0510 U	< 0.0494 U	< 0.0495 U	< 0.0684 U	< 0.0683 U	--	< 0.0494 U	< 0.0752 U	< 0.0960 U	< 0.0825 U	< 0.0904 U	< 0.0792 U	< 0.0868 U	< 0.0958 U	< 0.0729 U	< 0.103 U	< 0.0752 U	< 0.0831 U
Chlorobenzene	mg/kg		< 0.0170 U	< 0.0165 U	< 0.0165 U	< 0.0228 U	< 0.0228 U	--	< 0.0165 U	< 0.0251 U	< 0.0320 U	< 0.0275 U	< 0.0301 U	< 0.0264 U	< 0.0289 U	< 0.0319 U	< 0.0243 U	< 0.0342 U	< 0.0251 U	< 0.0277 U
Chloroethane	mg/kg		< 0.0817 U	< 0.0790 U	< 0.0792 UJ	< 0.109 UJ	< 0.109 UJ	--	< 0.0791 U	< 0.120 U	< 0.154 U	< 0.132 U	< 0.145 U	< 0.127 U	< 0.139 U	< 0.153 U	< 0.117 U	< 0.164 U	< 0.120 U	< 0.133 U
Chloroform	mg/kg		< 0.0170 U	< 0.0165 U	< 0.0165 U	< 0.0228 U	< 0.0228 U	--	< 0.0165 U	< 0.0251 U	< 0.0320 U	< 0.0275 U	< 0.0301 U	< 0.0264 U	< 0.0289 U	< 0.0319 U	< 0.0243 U	< 0.0342 U	< 0.0251 U	< 0.0277 U
Chloromethane	mg/kg		< 0.0544 U	< 0.0527 U	< 0.0528 U	< 0.0730 U	< 0.0728 U	--	< 0.0527 U	< 0.0802 U	< 0.102 U	< 0.0880 U	< 0.0964 U	< 0.0845 U	< 0.0926 U	< 0.102 UJ	< 0.0778 U	< 0.110 U	< 0.0802 UJ	< 0.0886 UJ
cis-1,2-Dichloroethene (cDCE)	mg/kg		< 0.0170 U	< 0.0165 U	< 0.0165 U	< 0.0228 U	< 0.0228 U	--	< 0.0165 U	< 0.0251 U	< 0.0320 U	< 0.0275 U	< 0.0301 U	< 0.0264 U	< 0.0289 U	< 0.0319 U	< 0.0243 U	< 0.0342 U	< 0.0251 U	< 0.0277 U
cis-1,3-Dichloropropene	mg/kg		< 0.0544 U	< 0.0527 U	< 0.0528 U	< 0.0730 U	< 0.0728 U	--	< 0.0527 U	< 0.0802 U	< 0.102 U	< 0.0880 U	< 0.0964 U	< 0.0845 U	< 0.0926 U	< 0.102 U	< 0.0778 U	< 0.110 U	< 0.0802 U	< 0.0886 U
Dibromochloromethane	mg/kg		< 0.0136 U	< 0.0132 U	< 0.0132 U	< 0.0182 U	< 0.0182 U	--	< 0.0132 U	< 0.0201 U	< 0.0256 U	< 0.0220 U	< 0.0241 U	< 0.0211 U	< 0.0232 U	< 0.0255 U	< 0.0194 U	< 0.0274 U	< 0.0200 U	< 0.0222 U
Dibromomethane	mg/kg		< 0.0136 U	< 0.0132 U	< 0.0132 U	< 0.0182 U	< 0.0182 U	--	< 0.0132 U	< 0.0201 U	< 0.0256 U	< 0.0220 U	< 0.0241 U	< 0.0211 U	< 0.0232 U	< 0.0255 U	< 0.0194 U	< 0.0274 U	< 0.0200 U	< 0.0222 U
Dichlorodifluoromethane	mg/kg		< 0.0340 U	< 0.0329 U	< 0.0330 UJ	< 0.0456 UJ	< 0.0455 UJ	--	< 0.0329 U	< 0.0502 U	< 0.0640 U	< 0.0550 U	< 0.0602 U	< 0.0528 UJ	< 0.0579 UJ	< 0.0639 UJ	< 0.0486 U	< 0.0685 U	< 0.0501 UJ	< 0.0554 UJ
Hexachlorobutadiene	mg/kg		< 0.0340 U	< 0.0329 U	< 0.0330 U	< 0.0456 U	< 0.0455 U	--	< 0.0329 U	< 0.0502 U	< 0.0640 U	< 0.0550 U	< 0.0602 U	< 0.0528 U	< 0.0579 U	< 0.0639 U	< 0.0486 U	< 0.0685 U	< 0.0501 U	< 0.0554 U
Isopropylbenzene	mg/kg		< 0.0204 U	< 0.0197 U	< 0.0198 U	< 0.0274 U	< 0.0273 U	--	< 0.0198 U	< 0.0301 U	< 0.0384 U	< 0.0330 U	< 0.0361 U	< 0.0317 U	< 0.0347 U	< 0.0383 U	< 0.0292 U	< 0.0411 U	< 0.0301 U	< 0.0332 U
m,p-Xylenes	mg/kg		< 0.0340 U	< 0.0329 U	< 0.0330 U	< 0.0456 U	< 0.0455 U	--	< 0.0329 U	< 0.0502 U	< 0.0640 U	< 0.0550 U	< 0.0602 U	< 0.0528 U	< 0.0579 U	< 0.0639 U	< 0.0486 U	< 0.0685 U	< 0.0501 U	< 0.0554 U
Methyl tert-butyl ether (MTBE)	mg/kg	0.1	< 0.0204 U	< 0.0197 U	< 0.0198 U	< 0.0274 U	< 0.0273 U	--	< 0.0198 U	< 0.0301 U	< 0.0384 U	< 0.0330 U	< 0.0361 U	< 0.0317 U	< 0.0347 U	< 0.0383 U	< 0.0292 U	< 0.0411 U	< 0.0301 U	< 0.0332 U
Methylene Chloride	mg/kg	0.02	< 0.0136 U	< 0.0132 U	**0.0193 ***	< 0.0182 U	< 0.0182 U	--	< 0.0132 U	< 0.0201 U	< 0.0192 U	< 0.0165 U	< 0.0181 U	< 0.0158 U	< 0.0174 U	< 0.0192 U	< 0.0146 U	< 0.0205 U	< 0.0150 U	< 0.0166 U
n-Butylbenzene	mg/kg		< 0.0272 U	< 0.0263 U	< 0.0264 U	< 0.0365 U	< 0.0364 U	--	< 0.0264 U	< 0.0401 U	< 0.0512 U	< 0.0440 U	< 0.0482 U	< 0.0422 U	< 0.0463 U	< 0.0511 U	< 0.0389 U	< 0.0548 U	< 0.0401 U	< 0.0443 U
n-Propylbenzene	mg/kg		< 0.0204 U	< 0.0197 U	< 0.0198 U	< 0.0274 U	< 0.0273 U	--	< 0.0198 U	< 0.0301 U	< 0.0384 U	< 0.0330 U	< 0.0361 U	< 0.0317 U	< 0.0347 U	< 0.0383 U	< 0.0292 U	< 0.0411 U	< 0.0301 U	< 0.0332 U
o-Xylene	mg/kg		< 0.0170 U	< 0.0165 U	< 0.0165 U	< 0.0228 U	< 0.0228 U	--	< 0.0165 U	< 0.0251 U	< 0.0320 U	< 0.0275 U	< 0.0301 U	< 0.0264 U	< 0.0289 U	< 0.0319 U	< 0.0243 U	< 0.0342 U	< 0.0251 U	< 0.0277 U
p-Isopropyltoluene	mg/kg		< 0.0204 U	< 0.0197 U	< 0.0198 U	< 0.0274 U	< 0.0273 U	--	< 0.0198 U	< 0.0301 U	< 0.0384 U	< 0.0330 U	< 0.0361 U	< 0.0317 U	< 0.0347 U	< 0.0383 U	< 0.0292 U	< 0.0411 U	< 0.0301 U	< 0.0332 U
sec-Butylbenzene	mg/kg		< 0.0204 U	< 0.0197 U	< 0.0198 U	< 0.0274 U	< 0.0273 U	--	< 0.0198 U	< 0.0301 U	< 0.0384 U	< 0.0330 U	< 0.0361 U	< 0.0317 U	< 0.0347 U	< 0.0383 U	< 0.0292 U	< 0.0411 U	< 0.0301 U	< 0.0332 U
Styrene	mg/kg		< 0.0170 U	< 0.0165 U	< 0.0165 U	< 0.0228 U	< 0.0228 U	--	< 0.0165 U	< 0.0251 U	< 0.0320 U	< 0.0275 U	< 0.0301 U	< 0.0264 U	< 0.0289 U	< 0.0319 U	< 0.0243 U	< 0.0342 U	< 0.0251 U	< 0.0277 U
tert-Butylbenzene	mg/kg		< 0.0204 U	< 0.0197 U	< 0.0198 U	< 0.0274 U	< 0.0273 U	--	< 0.0198 U	< 0.0301 U	< 0.0384 U	< 0.0330 U	< 0.0361 U	< 0.0317 U	< 0.0347 U	< 0.0383 U	< 0.0292 U	< 0.0411 U	< 0.0301 U	< 0.0332 U
Tetrachloroethene (PCE)	mg/kg	0.05	< 0.0272 U	< 0.0263 U	< 0.0264 U	< 0.0365 U	< 0.0364 U	--	< 0.0264 U	< 0.0401 U	< 0.0512 U	< 0.0440 U	< 0.0482 U	< 0.0422 U	< 0.0463 U	< 0.0511 U	< 0.0389 U	< 0.0548 U	< 0.0401 U	< 0.0443 U
trans-1,2-Dichloroethene	mg/kg		< 0.0204 U	< 0.0197 U	< 0.0198 U	< 0.0274 U	< 0.0273 U	--	< 0.0198 U	< 0.0301 U	< 0.0384 U	< 0.0330 U	< 0.0361 U	< 0.0317 U	< 0.0347 U	< 0.0383 U	< 0.0292 U	< 0.0411 U	< 0.0301 U	< 0.0332 U
trans-1,3-Dichloropropene	mg/kg		< 0.0340 U	< 0.0329 U	< 0.0330 U	< 0.0456 U	< 0.0455 U	--	< 0.0329 U	< 0.0502 U	< 0.0640 U	< 0.0550 U	< 0.0602 U	< 0.0528 U	< 0.0579 U	< 0.0639 U	< 0.0486 U	< 0.0685 U	< 0.0501 U	< 0.0554 U
Trichloroethene (TCE)	mg/kg	0.03	< 0.0170 U	< 0.0165 U	< 0.0165 U	< 0.0228 U	< 0.0228 U	--	< 0.0165 U	< 0.0251 U	< 0.0256 U	< 0.0220 U	< 0.0241 U	< 0.0211 U	< 0.0232 U	< 0.0255 U	< 0.0194 U	< 0.0274 U	< 0.0200 U	< 0.0222 U
Trichlorofluoromethane	mg/kg		< 0.0340 U	< 0.0329 U	< 0.0330 U	< 0.0456 U	< 0.0455 U	--	< 0.0329 U	< 0.0502 U	< 0.0640 U	< 0.0550 U	< 0.0602 U	< 0.0528 U	< 0.0579 U	< 0.0639 U	< 0.0486 U	< 0.0685 U	< 0.0501 U	< 0.0554 U
Vinyl Chloride	mg/kg		< 0.0170 U	< 0.0165 U	< 0.0165 U	< 0.0228 U	< 0.0228 U	--	< 0.0165 U	< 0.0251 U	< 0.0320 U	< 0.0275 U	< 0.0301 U	< 0.0264 U	< 0.0289 U	< 0.0319 U	< 0.0243 U	< 0.0342 U	< 0.0251 U	< 0.0277 U

Table 1. Site Characterization Soil Quality Data

Project No. 26000940, Swedish First Hill Campus Expansion - Block 95, Seattle, Washington

		Sample Location	B95-AB-13	B95-AB-14	B95-AB-14	B95-AB-14	B95-AB-15	B95-AB-15	B95-AB-15	B95-AB-16	B95-AB-16	B95-AB-17	B95-AB-18	B95-AB-18	B95-AB-18	B95-AB-19	B95-AB-19	B95-AB-20	B95-AB-21
		Sample Date	08/27/2021	08/27/2021	08/27/2021	08/27/2021	08/26/2021	08/26/2021	08/26/2021	08/26/2021	08/26/2021	08/26/2021	08/25/2021	08/25/2021	08/25/2021	08/25/2021	08/25/2021	08/25/2021	08/25/2021
		Sample Name	B95-AB-13-20	B95-AB-14-7.5X	B95-AB-14-15	B95-AB-14-35	B95-AB-15-7.5X	B95-AB-15-15X	B95-AB-15-20X	B95-AB-16-15X	B95-AB-16-25X	--	B95-AB-18-7.5	B95-AB-18-15	B95-AB-18-25	B95-AB-19-10	B95-AB-19-20	B95-AB-20-20	B95-AB-21-10
		Sample Depth	20 ft	7.5 ft	15 ft	35 ft	7.5 ft	15 ft	20 ft	15 ft	25 ft	--	7.5 ft	15 ft	25 ft	10 ft	20 ft	20 ft	10 ft
		Sample Type	native soil	native soil	native soil	native soil	fill soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil
Analyte	**Unit**	**MTCA Method A Cleanup Level**																	
Petroleum Hydrocarbons																			
Gasoline Range Organics	mg/kg	100	< 6.57 U	< 6.70 U	< 5.45 U	< 6.28 U	< 6.23 U	< 4.87 U	< 5.95 U	< 4.77 U	< 4.66 U	--	< 7.05 U	< 6.11 U	< 6.25 U	--	--	< 5.39 U	< 5.18 U
Diesel Range Organics	mg/kg	2000	< 52.3 U	< 59.6 U	< 50.5 U	< 54.3 U	< 51.1 U	< 53.4 U	< 56.1 U	< 50.8 U	< 48.9 U	--	< 50.8 U	< 51.6 U	< 48.8 U	< 51.1 U	< 52.8 U	< 46.3 U	< 46.6 U
Motor Oil Range Organics	mg/kg	2000	< 105 U	< 119 U	< 101 U	< 109 U	< 102 U	< 107 U	< 112 U	< 102 U	< 97.8 U	--	< 102 U	< 103 U	< 97.6 U	**189**	< 106 U	< 92.7 U	**57.1 J**
Diesel & Oil Extended Range Organics	mg/kg	2000	< 157 U	< 179 U	< 152 U	< 163 U	< 153 U	< 160 U	< 168 U	< 152 U	< 147 U	--	< 153 U	< 155 U	< 146 U	**189**	< 158 U	< 139 U	**57.1 J**
Mineral Spirits	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BTEX																			
Benzene	mg/kg	0.03	< 0.0263 U	< 0.0268 U	< 0.0218 U	< 0.0251 U	< 0.0249 U	< 0.0195 U	< 0.0238 U	< 0.0191 U	< 0.0186 U	--	< 0.0282 U	< 0.0244 U	< 0.0250 U	< 0.0313 U	< 0.0354 U	< 0.0216 U	< 0.0207 U
Toluene	mg/kg	7	< 0.0394 U	< 0.0402 U	< 0.0327 U	< 0.0377 U	< 0.0374 U	< 0.0292 U	< 0.0357 U	< 0.0286 U	< 0.0279 U	--	< 0.0423 U	< 0.0366 U	< 0.0375 U	< 0.0470 U	< 0.0531 U	< 0.0324 U	< 0.0311 U
Ethylbenzene	mg/kg	6	< 0.0329 U	< 0.0335 U	< 0.0272 U	< 0.0314 U	< 0.0311 U	< 0.0244 U	< 0.0298 U	< 0.0238 U	< 0.0233 U	--	< 0.0352 U	< 0.0305 U	< 0.0313 U	< 0.0392 U	< 0.0443 U	< 0.0270 U	< 0.0259 U
Total Xylenes	mg/kg	9	< 0.0657 U	< 0.067 U	< 0.0545 U	< 0.0628 U	< 0.0623 U	< 0.0487 U	< 0.0595 U	< 0.0477 U	< 0.0466 U	--	< 0.0705 U	< 0.0611 U	< 0.0625 U	< 0.0783 U	< 0.0886 U	< 0.0539 U	< 0.0518 U
Metals																			
Arsenic	mg/kg	20	**4.73**	**6.40**	**2.46**	**2.23**	**3.59**	**4.02**	**2.35**	**2.11**	**2.47**	--	**3.55**	**2.49**	**2.40**	**3.87**	**2.42**	**2.85**	**3.88**
Barium	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium	mg/kg	2,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	250	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons (PAHs)																			
1-Methylnaphthalene	ug/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	ug/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	ug/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	ug/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	ug/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	ug/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	ug/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	ug/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	5	< 0.131 U	< 0.134 U	< 0.109 U	< 0.126 U	< 0.125 U	< 0.0975 U	< 0.119 U	< 0.0954 U	< 0.0932 U	--	< 0.141 U	< 0.122 U	< 0.125 U	**0.0391 J**	< 0.177 U	< 0.108 U	**0.0448 J**
Naphthalene	ug/kg	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	ug/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	ug/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benz(a)anthracene	ug/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	ug/kg	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	ug/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	ug/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	ug/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	ug/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	ug/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total cPAHs TEQ (ND = 1/2 RDL)	ug/kg	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1. Site Characterization Soil Quality Data

Project No. 26000940, Swedish First Hill Campus Expansion - Block 95, Seattle, Washington

		Sample Location	B95-AB-13	B95-AB-14	B95-AB-14	B95-AB-14	B95-AB-15	B95-AB-15	B95-AB-15	B95-AB-16	B95-AB-16	B95-AB-17	B95-AB-18	B95-AB-18	B95-AB-18	B95-AB-19	B95-AB-19	B95-AB-20	B95-AB-21
		Sample Date	08/27/2021	08/27/2021	08/27/2021	08/27/2021	08/26/2021	08/26/2021	08/26/2021	08/26/2021	08/26/2021	08/26/2021	08/25/2021	08/25/2021	08/25/2021	08/25/2021	08/25/2021	08/25/2021	08/25/2021
		Sample Name	B95-AB-13-20	B95-AB-14-7.5X	B95-AB-14-15	B95-AB-14-35	B95-AB-15-7.5X	B95-AB-15-15X	B95-AB-15-20X	B95-AB-16-15X	B95-AB-16-25X	--	B95-AB-18-7.5	B95-AB-18-15	B95-AB-18-25	B95-AB-19-10	B95-AB-19-20	B95-AB-20-20	B95-AB-21-10
		Sample Depth	20 ft	7.5 ft	15 ft	35 ft	7.5 ft	15 ft	20 ft	15 ft	25 ft	--	7.5 ft	15 ft	25 ft	10 ft	20 ft	20 ft	10 ft
		Sample Type	native soil	native soil	native soil	native soil	fill soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil
Analyte	**Unit**	**MTCA Method A Cleanup Level**																	
Volatile Organic Compounds (VOCs)																			
1,1,1,2-Tetrachloroethane	mg/kg		< 0.0263 U	< 0.0268 U	< 0.0218 U	< 0.0251 U	< 0.0249 U	< 0.0195 U	< 0.0238 U	< 0.0191 U	< 0.0186 U	--	< 0.0282 U	< 0.0244 U	< 0.0250 U	< 0.0313 U	< 0.0354 U	< 0.0216 U	< 0.0207 U
1,1,1-Trichloroethane	mg/kg	2	< 0.0329 U	< 0.0335 U	< 0.0272 U	< 0.0314 U	< 0.0311 U	< 0.0244 U	< 0.0298 U	< 0.0238 U	< 0.0233 U	--	< 0.0352 U	< 0.0305 U	< 0.0313 U	< 0.0392 U	< 0.0443 U	< 0.0270 U	< 0.0259 U
1,1,2,2-Tetrachloroethane	mg/kg		< 0.0197 U	< 0.0201 U	< 0.0163 U	< 0.0188 U	< 0.0187 U	< 0.0146 U	< 0.0179 U	< 0.0143 U	< 0.0140 U	--	< 0.0211 U	< 0.0183 U	< 0.0188 U	< 0.0235 U	< 0.0266 U	< 0.0162 U	< 0.0155 U
1,1,2-Trichloroethane	mg/kg		< 0.0224 U	< 0.0228 U	< 0.0185 U	< 0.0214 U	< 0.0212 U	< 0.0166 U	< 0.0202 U	< 0.0162 U	< 0.0158 U	--	< 0.0240 U	< 0.0208 U	< 0.0213 U	< 0.0266 U	< 0.0301 U	< 0.0183 U	< 0.0176 U
1,1-Dichloroethane	mg/kg		< 0.0329 U	< 0.0335 U	< 0.0272 U	< 0.0314 U	< 0.0311 U	< 0.0244 U	< 0.0298 U	< 0.0238 U	< 0.0233 U	--	< 0.0352 U	< 0.0305 U	< 0.0313 U	< 0.0392 U	< 0.0443 U	< 0.0270 U	< 0.0259 U
1,1-Dichloroethene	mg/kg		< 0.131 U	< 0.134 U	< 0.109 U	< 0.126 U	< 0.125 U	< 0.0975 U	< 0.119 U	< 0.0954 U	< 0.0932 U	--	< 0.141 U	< 0.122 U	< 0.125 U	< 0.157 U	< 0.177 U	< 0.108 U	< 0.104 U
1,1-Dichloropropene	mg/kg		< 0.0329 U	< 0.0335 U	< 0.0272 U	< 0.0314 U	< 0.0311 U	< 0.0244 U	< 0.0298 U	< 0.0238 U	< 0.0233 U	--	< 0.0352 U	< 0.0305 U	< 0.0313 U	< 0.0392 U	< 0.0443 U	< 0.0270 U	< 0.0259 U
1,2,3-Trichlorobenzene	mg/kg		< 0.0657 U	< 0.0670 U	< 0.0545 U	< 0.0628 U	< 0.0623 U	< 0.0487 U	< 0.0595 U	< 0.0477 U	< 0.0466 U	--	< 0.0705 U	< 0.0611 U	< 0.0625 U	< 0.0783 U	< 0.0886 U	< 0.0539 U	< 0.0518 U
1,2,3-Trichloropropane	mg/kg		< 0.0329 U	< 0.0335 U	< 0.0272 U	< 0.0314 U	< 0.0311 U	< 0.0244 U	< 0.0298 U	< 0.0238 U	< 0.0233 U	--	< 0.0352 U	< 0.0305 U	< 0.0313 U	< 0.0392 U	< 0.0443 U	< 0.0270 U	< 0.0259 U
1,2,4-Trichlorobenzene	mg/kg		< 0.0526 U	< 0.0536 U	< 0.0436 U	< 0.0502 U	< 0.0498 U	< 0.0390 U	< 0.0476 U	< 0.0382 U	< 0.0373 U	--	< 0.0564 U	< 0.0488 U	< 0.0500 U	< 0.0627 U	< 0.0709 U	< 0.0431 U	< 0.0415 U
1,2,4-Trimethylbenzene	mg/kg		< 0.0329 U	< 0.0335 U	< 0.0272 U	< 0.0314 U	< 0.0311 U	< 0.0244 U	< 0.0298 U	< 0.0238 U	< 0.0233 U	--	< 0.0352 U	< 0.0305 U	< 0.0313 U	< 0.0392 U	< 0.0443 U	< 0.0270 U	< 0.0259 U
1,2-Dibromo-3-chloropropane	mg/kg		< 0.0789 U	< 0.0804 U	< 0.0654 U	< 0.0754 U	< 0.0747 U	< 0.0585 U	< 0.0714 U	< 0.0572 U	< 0.0559 U	--	< 0.0846 U	< 0.0733 U	< 0.0750 U	< 0.0940 U	**9.53**	< 0.0647 U	< 0.0622 U
1,2-Dibromoethane (EDB)	mg/kg	0.005	< 0.0131 U	< 0.0134 U	< 0.0109 U	< 0.0126 U	< 0.0125 U	< 0.00975 U	< 0.0119 U	< 0.00954 U	< 0.00932 U	--	< 0.0141 U	< 0.0122 U	< 0.0125 U	< 0.0157 U	< 0.0177 U	< 0.0108 U	< 0.0104 U
1,2-Dichlorobenzene	mg/kg		< 0.0394 U	< 0.0402 U	< 0.0327 U	< 0.0377 U	< 0.0374 U	< 0.0292 U	< 0.0357 U	< 0.0286 U	< 0.0279 U	--	< 0.0423 U	< 0.0366 U	< 0.0375 U	< 0.0470 U	< 0.0531 U	< 0.0324 U	< 0.0311 U
1,2-Dichloroethane (EDC)	mg/kg		< 0.0302 U	< 0.0308 U	< 0.0251 U	< 0.0289 U	< 0.0286 U	< 0.0224 U	< 0.0274 U	< 0.0219 U	< 0.0214 U	--	< 0.0324 U	< 0.0281 U	< 0.0288 U	< 0.0360 U	< 0.0407 U	< 0.0248 U	< 0.0238 U
1,2-Dichloropropane	mg/kg		< 0.0263 U	< 0.0268 U	< 0.0218 U	< 0.0251 U	< 0.0249 U	< 0.0195 U	< 0.0238 U	< 0.0191 U	< 0.0186 U	--	< 0.0282 U	< 0.0244 U	< 0.0250 U	< 0.0313 U	< 0.0354 U	< 0.0216 U	< 0.0207 U
1,3,5-Trimethylbenzene	mg/kg		< 0.0329 U	< 0.0335 U	< 0.0272 U	< 0.0314 U	< 0.0311 U	< 0.0244 U	< 0.0298 U	< 0.0238 U	< 0.0233 U	--	< 0.0352 U	< 0.0305 U	< 0.0313 U	< 0.0392 U	< 0.0443 U	< 0.0270 U	< 0.0259 U
1,3-Dichlorobenzene	mg/kg		< 0.0460 U	< 0.0469 U	< 0.0381 U	< 0.0440 U	< 0.0436 U	< 0.0341 U	< 0.0417 U	< 0.0334 U	< 0.0326 U	--	< 0.0493 U	< 0.0427 U	< 0.0438 U	< 0.0548 U	< 0.0620 U	< 0.0377 U	< 0.0363 U
1,3-Dichloropropane	mg/kg		< 0.0263 U	< 0.0268 U	< 0.0218 U	< 0.0251 U	< 0.0249 U	< 0.0195 U	< 0.0238 U	< 0.0191 U	< 0.0186 U	--	< 0.0282 U	< 0.0244 U	< 0.0250 U	< 0.0313 U	< 0.0354 U	< 0.0216 U	< 0.0207 U
1,4-Dichlorobenzene	mg/kg		< 0.0394 U	< 0.0402 U	< 0.0327 U	< 0.0377 U	< 0.0374 U	< 0.0292 U	< 0.0357 U	< 0.0286 U	< 0.0279 U	--	< 0.0423 U	< 0.0366 U	< 0.0375 U	< 0.0470 U	< 0.0531 U	< 0.0324 U	< 0.0311 U
2-Butanone	mg/kg		< 0.592 U	< 0.603 U	< 0.490 U	< 0.565 U	< 0.560 U	< 0.439 U	< 0.536 U	< 0.429 U	< 0.419 U	--	< 0.634 U	< 0.549 U	< 0.563 U	< 0.705 U	< 0.797 U	< 0.485 U	**0.118 J**
2-Chlorotoluene	mg/kg		< 0.0394 U	< 0.0402 U	< 0.0327 U	< 0.0377 U	< 0.0374 U	< 0.0292 U	< 0.0357 U	< 0.0286 U	< 0.0279 U	--	< 0.0423 U	< 0.0366 U	< 0.0375 U	< 0.0470 U	< 0.0531 U	< 0.0324 U	< 0.0311 U
2-Hexanone	mg/kg		< 0.0789 U	< 0.0804 U	< 0.0654 U	< 0.0754 U	< 0.0747 U	< 0.0585 U	< 0.0714 U	< 0.0572 U	< 0.0559 U	--	< 0.0846 U	< 0.0733 U	< 0.0750 U	< 0.0940 U	< 0.106 U	< 0.0647 U	< 0.0622 U
4-Chlorotoluene	mg/kg		< 0.0394 U	< 0.0402 U	< 0.0327 U	< 0.0377 U	< 0.0374 U	< 0.0292 U	< 0.0357 U	< 0.0286 U	< 0.0279 U	--	< 0.0423 U	< 0.0366 U	< 0.0375 U	< 0.0470 U	< 0.0531 U	< 0.0324 U	< 0.0311 U
4-Methyl-2-pentanone	mg/kg		< 0.0986 U	< 0.101 U	< 0.0817 U	< 0.0942 U	< 0.0934 U	< 0.0731 U	< 0.0893 U	< 0.0715 U	< 0.0699 U	--	< 0.106 U	< 0.0916 U	< 0.0938 U	< 0.118 U	< 0.133 U	< 0.0809 U	< 0.0777 U
Acetone	mg/kg		< 0.657 U	< 0.670 U	< 0.545 U	< 0.628 U	< 0.623 U	< 0.487 U	< 0.595 U	< 0.477 U	< 0.466 U	--	< 0.705 U	< 0.611 U	< 0.625 U	< 0.783 U	< 0.886 U	< 0.539 U	< 0.518 U
Bromobenzene	mg/kg		< 0.0394 U	< 0.0402 U	< 0.0327 U	< 0.0377 U	< 0.0374 U	< 0.0292 U	< 0.0357 U	< 0.0286 U	< 0.0279 U	--	< 0.0423 U	< 0.0366 U	< 0.0375 U	< 0.0470 U	< 0.0531 U	< 0.0324 U	< 0.0311 U
Bromodichloromethane	mg/kg		< 0.0329 U	< 0.0335 U	< 0.0272 U	< 0.0314 U	< 0.0311 U	< 0.0244 U	< 0.0298 U	< 0.0238 U	< 0.0233 U	--	< 0.0352 U	< 0.0305 U	< 0.0313 U	< 0.0392 U	< 0.0443 U	< 0.0270 U	< 0.0259 U
Bromoform	mg/kg		< 0.0329 U	< 0.0335 U	< 0.0272 U	< 0.0314 U	< 0.0311 U	< 0.0244 U	< 0.0298 U	< 0.0238 U	< 0.0233 U	--	< 0.0352 U	< 0.0305 U	< 0.0313 U	< 0.0392 U	< 0.0443 U	< 0.0270 U	< 0.0259 U
Bromomethane	mg/kg		< 0.197 U	< 0.201 U	< 0.163 U	< 0.188 U	< 0.187 U	< 0.146 U	< 0.179 U	< 0.143 U	< 0.140 U	--	< 0.211 U	< 0.183 U	< 0.188 U	< 0.235 U	< 0.266 U	< 0.162 U	< 0.155 U
Carbon Tetrachloride	mg/kg		< 0.0986 U	< 0.101 U	< 0.0817 U	< 0.0942 U	< 0.0934 U	< 0.0731 U	< 0.0893 U	< 0.0715 U	< 0.0699 U	--	< 0.106 U	< 0.0916 U	< 0.0938 U	< 0.118 U	< 0.133 U	< 0.0809 U	< 0.0777 U
Chlorobenzene	mg/kg		< 0.0329 U	< 0.0335 U	< 0.0272 U	< 0.0314 U	< 0.0311 U	< 0.0244 U	< 0.0298 U	< 0.0238 U	< 0.0233 U	--	< 0.0352 U	< 0.0305 U	< 0.0313 U	< 0.0392 U	< 0.0443 U	< 0.0270 U	< 0.0259 U
Chloroethane	mg/kg		< 0.158 U	< 0.161 U	< 0.131 U	< 0.151 U	< 0.149 U	< 0.117 U	< 0.143 U	< 0.114 U	< 0.112 U	--	< 0.169 U	< 0.147 U	< 0.150 U	< 0.188 U	< 0.213 U	< 0.129 U	< 0.124 U
Chloroform	mg/kg		< 0.0329 U	< 0.0335 U	< 0.0272 U	< 0.0314 U	< 0.0311 U	< 0.0244 U	< 0.0298 U	< 0.0238 U	< 0.0233 U	--	< 0.0352 U	< 0.0305 U	< 0.0313 U	< 0.0392 U	< 0.0443 U	< 0.0270 U	< 0.0259 U
Chloromethane	mg/kg		< 0.105 UJ	< 0.107 UJ	< 0.0871 UJ	< 0.100 UJ	< 0.0996 UJ	< 0.0780 UJ	< 0.0952 UJ	< 0.0763 U	< 0.0745 U	--	< 0.113 UJ	< 0.0977 UJ	< 0.100 UJ	< 0.125 UJ	< 0.142 UJ	< 0.0863 UJ	< 0.0829 UJ
cis-1,2-Dichloroethene (cDCE)	mg/kg		< 0.0329 U	< 0.0335 U	< 0.0272 U	< 0.0314 U	< 0.0311 U	< 0.0244 U	< 0.0298 U	< 0.0238 U	< 0.0233 U	--	< 0.0352 U	< 0.0305 U	< 0.0313 U	< 0.0392 U	< 0.0443 U	< 0.0270 U	< 0.0259 U
cis-1,3-Dichloropropene	mg/kg		< 0.105 U	< 0.107 U	< 0.0871 U	< 0.100 U	< 0.0996 U	< 0.0780 U	< 0.0952 U	< 0.0763 U	< 0.0745 U	--	< 0.113 U	< 0.0977 U	< 0.100 U	< 0.125 U	< 0.142 U	< 0.0863 U	< 0.0829 U
Dibromochloromethane	mg/kg		< 0.0263 U	< 0.0268 U	< 0.0218 U	< 0.0251 U	< 0.0249 U	< 0.0195 U	< 0.0238 U	< 0.0191 U	< 0.0186 U	--	< 0.0282 U	< 0.0244 U	< 0.0250 U	< 0.0313 U	< 0.0354 U	< 0.0216 U	< 0.0207 U
Dibromomethane	mg/kg		< 0.0263 U	< 0.0268 U	< 0.0218 U	< 0.0251 U	< 0.0249 U	< 0.0195 U	< 0.0238 U	< 0.0191 U	< 0.0186 U	--	< 0.0282 U	< 0.0244 U	< 0.0250 U	< 0.0313 U	< 0.0354 U	< 0.0216 U	< 0.0207 U
Dichlorodifluoromethane	mg/kg		< 0.0657 UJ	< 0.0670 UJ	< 0.0545 UJ	< 0.0628 UJ	< 0.0623 UJ	< 0.0487 UJ	< 0.0595 UJ	< 0.0477 UJ	< 0.0466 UJ	--	< 0.0705 UJ	< 0.0611 UJ	< 0.0625 UJ	< 0.0783 UJ	< 0.0886 UJ	< 0.0539 UJ	< 0.0518 UJ
Hexachlorobutadiene	mg/kg		< 0.0657 U	< 0.0670 U	< 0.0545 U	< 0.0628 U	< 0.0623 U	< 0.0487 U	< 0.0595 U	< 0.0477 U	< 0.0466 U	--	< 0.0705 U	< 0.0611 U	< 0.0625 U	< 0.0783 U	< 0.0886 U	< 0.0539 U	< 0.0518 U
Isopropylbenzene	mg/kg		< 0.0394 U	< 0.0402 U	< 0.0327 U	< 0.0377 U	< 0.0374 U	< 0.0292 U	< 0.0357 U	< 0.0286 U	< 0.0279 U	--	< 0.0423 U	< 0.0366 U	< 0.0375 U	< 0.0470 U	< 0.0531 U	< 0.0324 U	< 0.0311 U
m,p-Xylenes	mg/kg		< 0.0657 U	< 0.0670 U	< 0.0545 U	< 0.0628 U	< 0.0623 U	< 0.0487 U	< 0.0595 U	< 0.0477 U	< 0.0466 U	--	< 0.0705 U	< 0.0611 U	< 0.0625 U	< 0.0783 U	< 0.0886 U	< 0.0539 U	< 0.0518 U
Methyl tert-butyl ether (MTBE)	mg/kg	0.1	< 0.0394 U	< 0.0402 U	< 0.0327 U	< 0.0377 U	< 0.0374 U	< 0.0292 U	< 0.0357 U	< 0.0286 U	< 0.0279 U	--	< 0.0423 U	< 0.0366 U	< 0.0375 U	< 0.0470 U	< 0.0531 U	< 0.0324 U	< 0.0311 U
Methylene Chloride	mg/kg	0.02	< 0.0197 U	< 0.0201 U	< 0.0163 U	< 0.0188 U	< 0.0187 U	< 0.0146 U	< 0.0179 U	< 0.0143 U	< 0.0140 U	--	< 0.0211 U	< 0.0183 U	< 0.0188 U	< 0.0235 U	< 0.0266 U	< 0.0162 U	< 0.0155 U
n-Butylbenzene	mg/kg		< 0.0526 U	< 0.0536 U	< 0.0436 U	< 0.0502 U	< 0.0498 U	< 0.0390 U	< 0.0476 U	< 0.0382 U	< 0.0373 U	--	< 0.0564 U	< 0.0488 U	< 0.0500 U	< 0.0627 U	< 0.0709 U	< 0.0431 U	< 0.0415 U
n-Propylbenzene	mg/kg		< 0.0394 U	< 0.0402 U	< 0.0327 U	< 0.0377 U	< 0.0374 U	< 0.0292 U	< 0.0357 U	< 0.0286 U	< 0.0279 U	--	< 0.0423 U	< 0.0366 U	< 0.0375 U	< 0.0470 U	< 0.0531 U	< 0.0324 U	< 0.0311 U
o-Xylene	mg/kg		< 0.0329 U	< 0.0335 U	< 0.0272 U	< 0.0314 U	< 0.0311 U	< 0.0244 U	< 0.0298 U	< 0.0238 U	< 0.0233 U	--	< 0.0352 U	< 0.0305 U	< 0.0313 U	< 0.0392 U	< 0.0443 U	< 0.0270 U	< 0.0259 U
p-Isopropyltoluene	mg/kg		< 0.0394 U	< 0.0402 U	< 0.0327 U	< 0.0377 U	< 0.0374 U	< 0.0292 U	< 0.0357 U	< 0.0286 U	< 0.0279 U	--	< 0.0423 U	< 0.0366 U	< 0.0375 U	< 0.0470 U	< 0.0531 U	< 0.0324 U	< 0.0311 U
sec-Butylbenzene	mg/kg		< 0.0394 U	< 0.0402 U	< 0.0327 U	< 0.0377 U	< 0.0374 U	< 0.0292 U	< 0.0357 U	< 0.0286 U	< 0.0279 U	--	< 0.0423 U	< 0.0366 U	< 0.0375 U	< 0.0470 U	< 0.0531 U	< 0.0324 U	< 0.0311 U
Styrene	mg/kg		< 0.0329 U	< 0.0335 U	< 0.0272 U	< 0.0314 U	< 0.0311 U	< 0.0244 U	< 0.0298 U	< 0.0238 U	< 0.0233 U	--	< 0.0352 U	< 0.0305 U	< 0.0313 U	< 0.0392 U	< 0.0443 U	< 0.0270 U	< 0.0259 U
tert-Butylbenzene	mg/kg		< 0.0394 U	< 0.0402 U	< 0.0327 U	< 0.0377 U	< 0.0374 U	< 0.0292 U	< 0.0357 U	< 0.0286 U	< 0.0279 U	--	< 0.0423 U	< 0.0366 U	< 0.0375 U	< 0.0470 U	< 0.0531 U	< 0.0324 U	< 0.0311 U
Tetrachloroethene (PCE)	mg/kg	0.05	< 0.0526 U	< 0.0536 U	< 0.0436 U	< 0.0502 U	< 0.0498 U	< 0.0390 U	< 0.0476 U	< 0.0382 U	< 0.0373 U	--	< 0.0564 U	< 0.0488 U	< 0.0500 U	< 0.0627 U	< 0.0709 U	< 0.0431 U	< 0.0415 U
trans-1,2-Dichloroethene	mg/kg		< 0.0394 U	< 0.0402 U	< 0.0327 U	< 0.0377 U	< 0.0374 U	< 0.0292 U	< 0.0357 U	< 0.0286 U	< 0.0279 U	--	< 0.0423 U	< 0.0366 U	< 0.0375 U	< 0.0470 U	< 0.0531 U	< 0.0324 U	< 0.0311 U
trans-1,3-Dichloropropene	mg/kg		< 0.0657 U	< 0.0670 U	< 0.0545 U	< 0.0628 U	< 0.0623 U	< 0.0487 U	< 0.0595 U	< 0.0477 U	< 0.0466 U	--	< 0.0705 U	< 0.0611 U	< 0.0625 U	< 0.0783 U	< 0.0886 U	< 0.0539 U	< 0.0518 U
Trichloroethene (TCE)	mg/kg	0.03	< 0.0263 U	< 0.0268 U	< 0.0218 U	< 0.0251 U	< 0.0249 U	< 0.0195 U	< 0.0238 U	< 0.0191 U	< 0.0186 U	--	< 0.0282 U	< 0.0244 U	< 0.0250 U	< 0.0313 U	< 0.0354 U	< 0.0216 U	< 0.0207 U
Trichlorofluoromethane	mg/kg		< 0.0657 U	< 0.0670 U	< 0.0545 U	< 0.0628 U	< 0.0623 U	< 0.0487 U	< 0.0595 U	< 0.0477 U	< 0.0466 U	--	< 0.0705 U	< 0.0611 U	< 0.0625 U	< 0.0783 U	< 0.0886 U	< 0.0539 U	< 0.0518 U
Vinyl Chloride	mg/kg		< 0.0329 U	< 0.0335 U	< 0.0272 U	< 0.0314 U	< 0.0311 U	< 0.0244 U	< 0.0298 U	< 0.0238 U	< 0.0233 U	--	< 0.0352 U	< 0.0305 U	< 0.0313 U	< 0.0392 U	< 0.0443 U	< 0.0270 U	< 0.0259 U

Table 1. Site Characterization Soil Quality Data

Project No. 26000940, Swedish First Hill Campus Expansion - Block 95, Seattle, Washington

		Sample Location	B95-AB-21	B95-AB-22	B95-AB-22	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-24	B95-AB-24	B95-AB-24	B95-AB-25
		Sample Date	08/25/2021	08/25/2021	08/25/2021	08/30/2021	08/30/2021	08/30/2021	08/30/2021	08/30/2021	08/30/2021	08/30/2021	08/30/2021	08/30/2021	08/30/2021	08/30/2021	03/22/2022	03/22/2022	03/22/2022	03/23/2022
		Sample Name	B95-AB-21-20	B95-AB-22-10	B95-AB-22-20	B95-AB-23-10	B95-AB-23-15	B95-AB-23-25	B95-AB-23-30	B95-AB-23-40	B95-AB-23-45	B95-AB-23-50	B95-AB-23-55	B95-AB-23-85	B95-AB-23-95	B95-AB-23-110	B95-AB-24-10	B95-AB-24-12.5	B95-AB-24-15.5	B95-AB-25-7.5
		Sample Depth	20 ft	10 ft	20 ft	10 ft	15 ft	25 ft	30 ft	40 ft	45 ft	50 ft	55 ft	85 ft	95 ft	110 ft	10 ft	12.5 ft	15.5 ft	7.5 ft
		Sample Type	native soil	native soil	native soil	fill soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil
Analyte	**Unit**	**MTCA Method A Cleanup Level**																		
Petroleum Hydrocarbons																				
Gasoline Range Organics	mg/kg	100	--	< 5.58 U	< 6.36 U	< 5.29 U	< 5.99 U	< 6.45 U	< 5.77 U	< 5.25 U	< 5.48 U	**25.5 X**	< 5.61 U	< 5.40 U	< 5.92 U	--	--	--	--	--
Diesel Range Organics	mg/kg	2000	< 47.4 U	< 45.7 U	< 46.4 U	< 56.0 U	< 50.0 U	< 56.6 U	< 53.8 U	< 47.0 U	< 46.2 U	< 48.7 U	< 47.6 U	< 47.0 U	< 50.3 U	< 72.3 U	< 45.2 U	< 50.3 U	< 52.5 UJ	< 50.6 UJ
Motor Oil Range Organics	mg/kg	2000	< 94.9 U	< 91.4 U	< 92.8 U	< 112 U	< 100 U	< 113 U	< 108 U	< 94.0 U	< 92.4 U	< 97.5 U	< 95.1 U	< 94.0 U	< 101 U	< 145 U	< 90.3 U	**111**	< 105 UJ	< 101 UJ
Diesel & Oil Extended Range Organics	mg/kg	2000	< 142 U	< 137 U	< 139 U	< 168 U	< 150 U	< 170 U	< 161 U	< 141 U	< 139 U	< 146 U	< 143 U	< 141 U	< 151 U	< 217 U	< 135 U	< 151 U	< 157 UJ	< 152 UJ
Mineral Spirits	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BTEX																				
Benzene	mg/kg	0.03	< 0.0379 U	< 0.0223 U	< 0.0254 U	< 0.0212 U	< 0.0240 U	< 0.0258 U	< 0.0231 U	< 0.0210 U	< 0.0219 U	< 0.0262 U	< 0.0225 U	< 0.0216 U	< 0.0237 U	< 0.0358 U	--	--	--	--
Toluene	mg/kg	7	< 0.0568 U	< 0.0335 U	< 0.0382 U	< 0.0317 U	< 0.0359 U	< 0.0387 U	< 0.0346 U	< 0.0315 U	< 0.0329 U	< 0.0393 U	< 0.0337 U	< 0.0324 U	< 0.0355 U	< 0.0537 U	--	--	--	--
Ethylbenzene	mg/kg	6	< 0.0473 U	< 0.0279 U	< 0.0318 U	< 0.0264 U	< 0.0299 U	< 0.0323 U	< 0.0289 U	< 0.0262 U	< 0.0274 U	< 0.0327 U	< 0.0281 U	< 0.0270 U	< 0.0296 U	< 0.0447 U	--	--	--	--
Total Xylenes	mg/kg	9	< 0.0947 U	< 0.0558 U	< 0.0636 U	< 0.0529 U	< 0.0599 U	< 0.0645 U	< 0.0577 U	< 0.0525 U	< 0.0548 U	< 0.0655 U	< 0.0561 U	< 0.054 U	< 0.0592 U	< 0.0894 U	--	--	--	--
Metals																				
Arsenic	mg/kg	20	**1.93**	**2.52**	**2.49**	**3.77**	**3.32**	**2.76**	**3.24**	**2.67**	**3.48**	**3.43**	**3.59**	**2.43**	**1.98**	**6.61**	**2.43**	--	--	--
Barium	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium	mg/kg	2,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	250	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons (PAHs)																				
1-Methylnaphthalene	ug/kg		--	--	--	< 21.2 U	< 19.4 U	< 23.2 U	< 21.8 U	< 19.6 U	< 19.6 U	< 19.0 U	< 21.5 U	< 19.0 U	< 19.3 U	< 27.4 U	--	--	--	--
2-Methylnaphthalene	ug/kg		--	--	--	< 21.2 U	< 19.4 U	< 23.2 U	< 21.8 U	< 19.6 U	< 19.6 U	< 19.0 U	< 21.5 U	< 19.0 U	< 19.3 U	< 27.4 U	--	--	--	--
Acenaphthene	ug/kg		--	--	--	< 21.2 U	< 19.4 U	< 23.2 U	< 21.8 U	< 19.6 U	< 19.6 U	< 19.0 U	< 21.5 U	< 19.0 U	< 19.3 U	< 27.4 U	--	--	--	--
Acenaphthylene	ug/kg		--	--	--	< 21.2 U	< 19.4 U	< 23.2 U	< 21.8 U	< 19.6 U	< 19.6 U	< 19.0 U	< 21.5 U	< 19.0 U	< 19.3 U	< 27.4 U	--	--	--	--
Anthracene	ug/kg		--	--	--	< 42.4 U	< 38.8 U	< 46.3 U	< 43.6 U	< 39.3 U	< 39.2 U	< 38.0 U	< 43.0 U	< 37.9 U	< 38.7 U	< 54.9 U	--	--	--	--
Benzo(g,h,i)perylene	ug/kg		--	--	--	< 21.2 U	< 19.4 U	< 23.2 U	< 21.8 U	< 19.6 U	< 19.6 U	< 19.0 U	< 21.5 U	< 19.0 U	< 19.3 U	< 27.4 U	--	--	--	--
Fluoranthene	ug/kg		--	--	--	< 42.4 U	< 38.8 U	< 46.3 U	< 43.6 U	< 39.3 U	< 39.2 U	< 38.0 U	< 43.0 U	< 37.9 U	< 38.7 U	< 54.9 U	--	--	--	--
Fluorene	ug/kg		--	--	--	< 21.2 U	< 19.4 U	< 23.2 U	< 21.8 U	< 19.6 U	< 19.6 U	< 19.0 U	< 21.5 U	< 19.0 U	< 19.3 U	< 27.4 U	--	--	--	--
Naphthalene	mg/kg	5	**0.0460 J**	< 0.112 U	**0.0619 J**	< 0.106 U	< 0.120 U	< 0.129 U	< 0.115 U	< 0.105 U	< 0.110 U	< 0.131 U	< 0.112 U	< 0.108 U	< 0.118 U	< 0.179 U	--	--	--	--
Naphthalene	ug/kg	5000	--	--	--	< 21.2 U	< 19.4 U	< 23.2 U	< 21.8 U	< 19.6 U	< 19.6 U	< 19.0 U	< 21.5 U	< 19.0 U	< 19.3 U	< 27.4 U	--	--	--	--
Phenanthrene	ug/kg		--	--	--	< 42.4 U	< 38.8 U	< 46.3 U	< 43.6 U	< 39.3 U	< 39.2 U	< 38.0 U	< 43.0 U	< 37.9 U	< 38.7 U	< 54.9 U	--	--	--	--
Pyrene	ug/kg		--	--	--	< 42.4 U	< 38.8 U	< 46.3 U	< 43.6 U	< 39.3 U	< 39.2 U	< 38.0 U	< 43.0 U	< 37.9 U	< 38.7 U	< 54.9 U	--	--	--	--
Benz(a)anthracene	ug/kg		--	--	--	< 21.2 U	< 19.4 U	< 23.2 U	< 21.8 U	< 19.6 U	< 19.6 U	< 19.0 U	< 21.5 U	< 19.0 U	< 19.3 U	< 27.4 U	--	--	--	--
Benzo(a)pyrene	ug/kg	100	--	--	--	< 21.2 U	< 19.4 U	< 23.2 U	< 21.8 U	< 19.6 U	< 19.6 U	< 19.0 U	< 21.5 U	< 19.0 U	< 19.3 U	< 27.4 U	--	--	--	--
Benzo(b)fluoranthene	ug/kg		--	--	--	< 21.2 U	< 19.4 U	< 23.2 U	< 21.8 U	< 19.6 U	< 19.6 U	< 19.0 U	< 21.5 U	< 19.0 U	< 19.3 U	< 27.4 U	--	--	--	--
Benzo(k)fluoranthene	ug/kg		--	--	--	< 21.2 U	< 19.4 U	< 23.2 U	< 21.8 U	< 19.6 U	< 19.6 U	< 19.0 U	< 21.5 U	< 19.0 U	< 19.3 U	< 27.4 U	--	--	--	--
Chrysene	ug/kg		--	--	--	< 42.4 U	< 38.8 U	< 46.3 U	< 43.6 U	< 39.3 U	< 39.2 U	< 38.0 U	< 43.0 U	< 37.9 U	< 38.7 U	< 54.9 U	--	--	--	--
Dibenzo(a,h)anthracene	ug/kg		--	--	--	< 42.4 U	< 38.8 U	< 46.3 U	< 43.6 U	< 39.3 U	< 39.2 U	< 38.0 U	< 43.0 U	< 37.9 U	< 38.7 U	< 54.9 U	--	--	--	--
Indeno(1,2,3-cd)pyrene	ug/kg		--	--	--	< 42.4 U	< 38.8 U	< 46.3 U	< 43.6 U	< 39.3 U	< 39.2 U	< 38.0 U	< 43.0 U	< 37.9 U	< 38.7 U	< 54.9 U	--	--	--	--
Total cPAHs TEQ (ND = 1/2 RDL)	ug/kg	100	--	--	--	< 18.2 U	< 16.7 U	< 19.9 U	< 18.7 U	< 16.9 U	< 16.9 U	< 16.3 U	< 18.5 U	< 16.3 U	< 16.6 U	< 23.6 U	--	--	--	--

Table 1. Site Characterization Soil Quality Data

Project No. 26000940, Swedish First Hill Campus Expansion - Block 95, Seattle, Washington

		Sample Location	B95-AB-21	B95-AB-22	B95-AB-22	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-23	B95-AB-24	B95-AB-24	B95-AB-24	B95-AB-25
		Sample Date	08/25/2021	08/25/2021	08/25/2021	08/30/2021	08/30/2021	08/30/2021	08/30/2021	08/30/2021	08/30/2021	08/30/2021	08/30/2021	08/30/2021	08/30/2021	08/30/2021	03/22/2022	03/22/2022	03/22/2022	03/23/2022
		Sample Name	B95-AB-21-20	B95-AB-22-10	B95-AB-22-20	B95-AB-23-10	B95-AB-23-15	B95-AB-23-25	B95-AB-23-30	B95-AB-23-40	B95-AB-23-45	B95-AB-23-50	B95-AB-23-55	B95-AB-23-85	B95-AB-23-95	B95-AB-23-110	B95-AB-24-10	B95-AB-24-12.5	B95-AB-24-15.5	B95-AB-25-7.5
		Sample Depth	20 ft	10 ft	20 ft	10 ft	15 ft	25 ft	30 ft	40 ft	45 ft	50 ft	55 ft	85 ft	95 ft	110 ft	10 ft	12.5 ft	15.5 ft	7.5 ft
		Sample Type	native soil	native soil	native soil	fill soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil	native soil
Analyte	**Unit**	**MTCA Method A Cleanup Level**																		
Volatile Organic Compounds (VOCs)																				
1,1,1,2-Tetrachloroethane	mg/kg		< 0.0379 U	< 0.0223 U	< 0.0254 U	< 0.0212 U	< 0.0240 U	< 0.0258 U	< 0.0231 U	< 0.0210 U	< 0.0219 U	< 0.0262 U	< 0.0225 U	< 0.0216 U	< 0.0237 U	< 0.0358 U	--	--	--	--
1,1,1-Trichloroethane	mg/kg	2	< 0.0473 U	< 0.0279 U	< 0.0318 U	< 0.0264 U	< 0.0299 U	< 0.0323 U	< 0.0289 U	< 0.0262 U	< 0.0274 U	< 0.0327 U	< 0.0281 U	< 0.0270 U	< 0.0296 U	< 0.0447 U	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/kg		< 0.0284 U	< 0.0167 U	< 0.0191 U	< 0.0159 U	< 0.0180 U	< 0.0194 U	< 0.0173 U	< 0.0157 U	< 0.0164 U	< 0.0196 U	< 0.0168 U	< 0.0162 U	< 0.0178 U	< 0.0268 U	--	--	--	--
1,1,2-Trichloroethane	mg/kg		< 0.0322 U	< 0.0190 U	< 0.0216 U	< 0.0180 U	< 0.0204 U	< 0.0219 U	< 0.0196 U	< 0.0178 U	< 0.0186 U	< 0.0223 U	< 0.0191 U	< 0.0183 U	< 0.0201 U	< 0.0304 U	--	--	--	--
1,1-Dichloroethane	mg/kg		< 0.0473 U	< 0.0279 U	< 0.0318 U	< 0.0264 U	< 0.0299 U	< 0.0323 U	< 0.0289 U	< 0.0262 U	< 0.0274 U	< 0.0327 U	< 0.0281 U	< 0.0270 U	< 0.0296 U	< 0.0447 U	--	--	--	--
1,1-Dichloroethene	mg/kg		< 0.189 U	< 0.112 U	< 0.127 U	< 0.106 U	< 0.120 U	< 0.129 U	< 0.115 U	< 0.105 U	< 0.110 U	< 0.131 U	< 0.112 U	< 0.108 U	< 0.118 U	< 0.179 U	--	--	--	--
1,1-Dichloropropene	mg/kg		< 0.0473 U	< 0.0279 U	< 0.0318 U	< 0.0264 U	< 0.0299 U	< 0.0323 U	< 0.0289 U	< 0.0262 U	< 0.0274 U	< 0.0327 U	< 0.0281 U	< 0.0270 U	< 0.0296 U	< 0.0447 U	--	--	--	--
1,2,3-Trichlorobenzene	mg/kg		< 0.0947 U	< 0.0558 U	< 0.0636 U	< 0.0529 U	< 0.0599 U	< 0.0645 U	< 0.0577 U	< 0.0525 U	< 0.0548 U	< 0.0655 U	< 0.0561 U	< 0.0540 U	< 0.0592 U	< 0.0894 U	--	--	--	--
1,2,3-Trichloropropane	mg/kg		< 0.0473 U	< 0.0279 U	< 0.0318 U	< 0.0264 U	< 0.0299 U	< 0.0323 U	< 0.0289 U	< 0.0262 U	< 0.0274 U	< 0.0327 U	< 0.0281 U	< 0.0270 U	< 0.0296 U	< 0.0447 U	--	--	--	--
1,2,4-Trichlorobenzene	mg/kg		< 0.0757 U	< 0.0446 U	< 0.0509 U	< 0.0423 U	< 0.0479 U	< 0.0516 U	< 0.0462 U	< 0.0420 U	< 0.0439 U	< 0.0524 U	< 0.0449 U	< 0.0432 U	< 0.0474 U	< 0.0715 U	--	--	--	--
1,2,4-Trimethylbenzene	mg/kg		< 0.0473 U	< 0.0279 U	< 0.0318 U	< 0.0264 U	< 0.0299 U	< 0.0323 U	< 0.0289 U	< 0.0262 U	< 0.0274 U	< 0.0327 U	< 0.0281 U	< 0.0270 U	< 0.0296 U	< 0.0447 U	--	--	--	--
1,2-Dibromo-3-chloropropane	mg/kg		< 0.114 U	< 0.0669 U	< 0.0763 U	< 0.0635 U	< 0.0719 U	< 0.0774 U	< 0.0693 U	< 0.0630 U	< 0.0658 U	< 0.0785 U	< 0.0674 U	< 0.0647 U	< 0.0711 U	< 0.107 U	--	--	--	--
1,2-Dibromoethane (EDB)	mg/kg	0.005	< 0.0189 U	< 0.0112 U	< 0.0127 U	< 0.0106 U	< 0.0120 U	< 0.0129 U	< 0.0115 U	< 0.0105 U	< 0.0110 U	< 0.0131 U	< 0.0112 U	< 0.0108 U	< 0.0118 U	< 0.0179 U	--	--	--	--
1,2-Dichlorobenzene	mg/kg		< 0.0568 U	< 0.0335 U	< 0.0382 U	< 0.0317 U	< 0.0359 U	< 0.0387 U	< 0.0346 U	< 0.0315 U	< 0.0329 U	< 0.0393 U	< 0.0337 U	< 0.0324 U	< 0.0355 U	< 0.0537 U	--	--	--	--
1,2-Dichloroethane (EDC)	mg/kg		< 0.0435 U	< 0.0257 U	< 0.0293 U	< 0.0243 U	< 0.0275 U	< 0.0297 U	< 0.0266 U	< 0.0241 U	< 0.0252 U	< 0.0301 U	< 0.0258 U	< 0.0248 U	< 0.0272 U	< 0.0411 U	--	--	--	--
1,2-Dichloropropane	mg/kg		< 0.0379 U	< 0.0223 U	< 0.0254 U	< 0.0212 U	< 0.0240 U	< 0.0258 U	< 0.0231 U	< 0.0210 U	< 0.0219 U	< 0.0262 U	< 0.0225 U	< 0.0216 U	< 0.0237 U	< 0.0358 U	--	--	--	--
1,3,5-Trimethylbenzene	mg/kg		< 0.0473 U	< 0.0279 U	< 0.0318 U	< 0.0264 U	< 0.0299 U	< 0.0323 U	< 0.0289 U	< 0.0262 U	< 0.0274 U	< 0.0327 U	< 0.0281 U	< 0.0270 U	< 0.0296 U	< 0.0447 U	--	--	--	--
1,3-Dichlorobenzene	mg/kg		< 0.0663 U	< 0.0390 U	< 0.0445 U	< 0.0370 U	< 0.0419 U	< 0.0452 U	< 0.0404 U	< 0.0367 U	< 0.0384 U	< 0.0458 U	< 0.0393 U	< 0.0378 U	< 0.0414 U	< 0.0626 U	--	--	--	--
1,3-Dichloropropane	mg/kg		< 0.0379 U	< 0.0223 U	< 0.0254 U	< 0.0212 U	< 0.0240 U	< 0.0258 U	< 0.0231 U	< 0.0210 U	< 0.0219 U	< 0.0262 U	< 0.0225 U	< 0.0216 U	< 0.0237 U	< 0.0358 U	--	--	--	--
1,4-Dichlorobenzene	mg/kg		< 0.0568 U	< 0.0335 U	< 0.0382 U	< 0.0317 U	< 0.0359 U	< 0.0387 U	< 0.0346 U	< 0.0315 U	< 0.0329 U	< 0.0393 U	< 0.0337 U	< 0.0324 U	< 0.0355 U	< 0.0537 U	--	--	--	--
2-Butanone	mg/kg		< 0.852 U	< 0.502 U	< 0.572 U	< 0.476 U	< 0.539 U	< 0.581 U	< 0.519 U	< 0.472 U	< 0.493 U	< 0.589 U	< 0.505 U	< 0.486 U	< 0.533 U	< 0.805 U	--	--	--	--
2-Chlorotoluene	mg/kg		< 0.0568 U	< 0.0335 U	< 0.0382 U	< 0.0317 U	< 0.0359 U	< 0.0387 U	< 0.0346 U	< 0.0315 U	< 0.0329 U	< 0.0393 U	< 0.0337 U	< 0.0324 U	< 0.0355 U	< 0.0537 U	--	--	--	--
2-Hexanone	mg/kg		< 0.114 U	< 0.0669 U	< 0.0763 U	< 0.0635 U	< 0.0719 U	< 0.0774 U	< 0.0693 U	< 0.0630 U	< 0.0658 U	< 0.0785 U	< 0.0674 U	< 0.0647 U	< 0.0711 U	< 0.107 U	--	--	--	--
4-Chlorotoluene	mg/kg		< 0.0568 U	< 0.0335 U	< 0.0382 U	< 0.0317 U	< 0.0359 U	< 0.0387 U	< 0.0346 U	< 0.0315 U	< 0.0329 U	< 0.0393 U	< 0.0337 U	< 0.0324 U	< 0.0355 U	< 0.0537 U	--	--	--	--
4-Methyl-2-pentanone	mg/kg		< 0.142 U	< 0.0836 U	< 0.0954 U	< 0.0793 U	< 0.0898 U	< 0.0968 U	< 0.0866 U	< 0.0787 U	< 0.0822 U	< 0.0982 U	< 0.0842 U	< 0.0809 U	< 0.0888 U	< 0.134 U	--	--	--	--
Acetone	mg/kg		< 0.947 U	< 0.558 U	< 0.636 U	< 0.529 U	< 0.599 U	< 0.645 U	< 0.577 U	< 0.525 U	< 0.548 U	< 0.655 U	< 0.561 U	< 0.540 U	< 0.592 U	< 0.894 U	--	--	--	--
Bromobenzene	mg/kg		< 0.0568 U	< 0.0335 U	< 0.0382 U	< 0.0317 U	< 0.0359 U	< 0.0387 U	< 0.0346 U	< 0.0315 U	< 0.0329 U	< 0.0393 U	< 0.0337 U	< 0.0324 U	< 0.0355 U	< 0.0537 U	--	--	--	--
Bromodichloromethane	mg/kg		< 0.0473 U	< 0.0279 U	< 0.0318 U	< 0.0264 U	< 0.0299 U	< 0.0323 U	< 0.0289 U	< 0.0262 U	< 0.0274 U	< 0.0327 U	< 0.0281 U	< 0.0270 U	< 0.0296 U	< 0.0447 U	--	--	--	--
Bromoform	mg/kg		< 0.0473 U	< 0.0279 U	< 0.0318 U	< 0.0264 U	< 0.0299 U	< 0.0323 U	< 0.0289 U	< 0.0262 U	< 0.0274 U	< 0.0327 U	< 0.0281 U	< 0.0270 U	< 0.0296 U	< 0.0447 U	--	--	--	--
Bromomethane	mg/kg		< 0.284 U	< 0.167 U	< 0.191 U	< 0.159 U	< 0.180 U	< 0.194 U	< 0.173 U	< 0.157 U	< 0.164 U	< 0.196 U	< 0.168 U	< 0.162 U	< 0.178 U	< 0.268 U	--	--	--	--
Carbon Tetrachloride	mg/kg		< 0.142 U	< 0.0836 U	< 0.0954 U	< 0.0793 U	< 0.0898 U	< 0.0968 U	< 0.0866 U	< 0.0787 U	< 0.0822 U	< 0.0982 U	< 0.0842 U	< 0.0809 U	< 0.0888 U	< 0.134 U	--	--	--	--
Chlorobenzene	mg/kg		< 0.0473 U	< 0.0279 U	< 0.0318 U	< 0.0264 U	< 0.0299 U	< 0.0323 U	< 0.0289 U	< 0.0262 U	< 0.0274 U	< 0.0327 U	< 0.0281 U	< 0.0270 U	< 0.0296 U	< 0.0447 U	--	--	--	--
Chloroethane	mg/kg		< 0.227 U	< 0.134 U	< 0.153 U	< 0.127 U	< 0.144 U	< 0.155 U	< 0.139 U	< 0.126 U	< 0.132 U	< 0.157 U	< 0.135 U	< 0.129 U	< 0.142 U	< 0.215 U	--	--	--	--
Chloroform	mg/kg		< 0.0473 U	< 0.0279 U	< 0.0318 U	< 0.0264 U	< 0.0299 U	< 0.0323 U	< 0.0289 U	< 0.0262 U	< 0.0274 U	< 0.0327 U	< 0.0281 U	< 0.0270 U	< 0.0296 U	< 0.0447 U	--	--	--	--
Chloromethane	mg/kg		< 0.151 UJ	< 0.0892 UJ	< 0.102 UJ	< 0.0846 U	< 0.0958 U	< 0.103 U	< 0.0923 U	< 0.0840 U	< 0.0877 U	< 0.105 U	< 0.0898 U	< 0.0863 U	< 0.0947 U	< 0.143 U	--	--	--	--
cis-1,2-Dichloroethene (cDCE)	mg/kg		< 0.0473 U	< 0.0279 U	< 0.0318 U	< 0.0264 U	< 0.0299 U	< 0.0323 U	< 0.0289 U	< 0.0262 U	< 0.0274 U	< 0.0327 U	< 0.0281 U	< 0.0270 U	< 0.0296 U	< 0.0447 U	--	--	--	--
cis-1,3-Dichloropropene	mg/kg		< 0.151 U	< 0.0892 U	< 0.102 U	< 0.0846 U	< 0.0958 U	< 0.103 U	< 0.0923 U	< 0.0840 U	< 0.0877 U	< 0.105 U	< 0.0898 U	< 0.0863 U	< 0.0947 U	< 0.143 U	--	--	--	--
Dibromochloromethane	mg/kg		< 0.0379 U	< 0.0223 U	< 0.0254 U	< 0.0212 U	< 0.0240 U	< 0.0258 U	< 0.0231 U	< 0.0210 U	< 0.0219 U	< 0.0262 U	< 0.0225 U	< 0.0216 U	< 0.0237 U	< 0.0358 U	--	--	--	--
Dibromomethane	mg/kg		< 0.0379 U	< 0.0223 U	< 0.0254 U	< 0.0212 U	< 0.0240 U	< 0.0258 U	< 0.0231 U	< 0.0210 U	< 0.0219 U	< 0.0262 U	< 0.0225 U	< 0.0216 U	< 0.0237 U	< 0.0358 U	--	--	--	--
Dichlorodifluoromethane	mg/kg		< 0.0947 UJ	< 0.0558 UJ	< 0.0636 UJ	< 0.0529 U	< 0.0599 U	< 0.0645 U	< 0.0577 U	< 0.0525 U	< 0.0548 U	< 0.0655 U	< 0.0561 U	< 0.0540 U	< 0.0592 U	< 0.0894 U	--	--	--	--
Hexachlorobutadiene	mg/kg		< 0.0947 U	< 0.0558 U	< 0.0636 U	< 0.0529 U	< 0.0599 U	< 0.0645 U	< 0.0577 U	< 0.0525 U	< 0.0548 U	< 0.0655 U	< 0.0561 U	< 0.0540 U	< 0.0592 U	< 0.0894 U	--	--	--	--
Isopropylbenzene	mg/kg		< 0.0568 U	< 0.0335 U	< 0.0382 U	< 0.0317 U	< 0.0359 U	< 0.0387 U	< 0.0346 U	< 0.0315 U	< 0.0329 U	< 0.0393 U	< 0.0337 U	< 0.0324 U	< 0.0355 U	< 0.0537 U	--	--	--	--
m,p-Xylenes	mg/kg		< 0.0947 U	< 0.0558 U	< 0.0636 U	< 0.0529 U	< 0.0599 U	< 0.0645 U	< 0.0577 U	< 0.0525 U	< 0.0548 U	< 0.0655 U	< 0.0561 U	< 0.0540 U	< 0.0592 U	< 0.0894 U	--	--	--	--
Methyl tert-butyl ether (MTBE)	mg/kg	0.1	< 0.0568 U	< 0.0335 U	< 0.0382 U	< 0.0317 U	< 0.0359 U	< 0.0387 U	< 0.0346 U	< 0.0315 U	< 0.0329 U	< 0.0393 U	< 0.0337 U	< 0.0324 U	< 0.0355 U	< 0.0537 U	--	--	--	--
Methylene Chloride	mg/kg	0.02	< 0.0284 U	< 0.0167 U	< 0.0191 U	< 0.0159 U	< 0.0180 U	< 0.0194 U	< 0.0173 U	< 0.0157 U	< 0.0164 U	< 0.0196 U	< 0.0168 U	< 0.0162 U	< 0.0178 U	< 0.0268 U	--	--	--	--
n-Butylbenzene	mg/kg		< 0.0757 U	< 0.0446 U	< 0.0509 U	< 0.0423 U	< 0.0479 U	< 0.0516 U	< 0.0462 U	< 0.0420 U	< 0.0439 U	< 0.0524 U	< 0.0449 U	< 0.0432 U	< 0.0474 U	< 0.0715 U	--	--	--	--
n-Propylbenzene	mg/kg		< 0.0568 U	< 0.0335 U	< 0.0382 U	< 0.0317 U	< 0.0359 U	< 0.0387 U	< 0.0346 U	< 0.0315 U	< 0.0329 U	< 0.0393 U	< 0.0337 U	< 0.0324 U	< 0.0355 U	< 0.0537 U	--	--	--	--
o-Xylene	mg/kg		< 0.0473 U	< 0.0279 U	< 0.0318 U	< 0.0264 U	< 0.0299 U	< 0.0323 U	< 0.0289 U	< 0.0262 U	< 0.0274 U	< 0.0327 U	< 0.0281 U	< 0.0270 U	< 0.0296 U	< 0.0447 U	--	--	--	--
p-Isopropyltoluene	mg/kg		< 0.0568 U	< 0.0335 U	< 0.0382 U	< 0.0317 U	< 0.0359 U	< 0.0387 U	< 0.0346 U	< 0.0315 U	< 0.0329 U	< 0.0393 U	< 0.0337 U	< 0.0324 U	< 0.0355 U	< 0.0537 U	--	--	--	--
sec-Butylbenzene	mg/kg		< 0.0568 U	< 0.0335 U	< 0.0382 U	< 0.0317 U	< 0.0359 U	< 0.0387 U	< 0.0346 U	< 0.0315 U	< 0.0329 U	< 0.0393 U	< 0.0337 U	< 0.0324 U	< 0.0355 U	< 0.0537 U	--	--	--	--
Styrene	mg/kg		< 0.0473 U	< 0.0279 U	< 0.0318 U	< 0.0264 U	< 0.0299 U	< 0.0323 U	< 0.0289 U	< 0.0262 U	< 0.0274 U	< 0.0327 U	< 0.0281 U	< 0.0270 U	< 0.0296 U	< 0.0447 U	--	--	--	--
tert-Butylbenzene	mg/kg		< 0.0568 U	< 0.0335 U	< 0.0382 U	< 0.0317 U	< 0.0359 U	< 0.0387 U	< 0.0346 U	< 0.0315 U	< 0.0329 U	< 0.0393 U	< 0.0337 U	< 0.0324 U	< 0.0355 U	< 0.0537 U	--	--	--	--
Tetrachloroethene (PCE)	mg/kg	0.05	< 0.0757 U	< 0.0446 U	< 0.0509 U	< 0.0423 U	< 0.0479 U	< 0.0516 U	< 0.0462 U	< 0.0420 U	< 0.0439 U	< 0.0524 U	< 0.0449 U	< 0.0432 U	< 0.0474 U	< 0.0715 U	--	--	--	--
trans-1,2-Dichloroethene	mg/kg		< 0.0568 U	< 0.0335 U	< 0.0382 U	< 0.0317 U	< 0.0359 U	< 0.0387 U	< 0.0346 U	< 0.0315 U	< 0.0329 U	< 0.0393 U	< 0.0337 U	< 0.0324 U	< 0.0355 U	< 0.0537 U	--	--	--	--
trans-1,3-Dichloropropene	mg/kg		< 0.0947 U	< 0.0558 U	< 0.0636 U	< 0.0529 U	< 0.0599 U	< 0.0645 U	< 0.0577 U	< 0.0525 U	< 0.0548 U	< 0.0655 U	< 0.0561 U	< 0.0540 U	< 0.0592 U	< 0.0894 U	--	--	--	--
Trichloroethene (TCE)	mg/kg	0.03	< 0.0379 U	< 0.0223 U	< 0.0254 U	< 0.0212 U	< 0.0240 U	< 0.0258 U	< 0.0231 U	< 0.0210 U	< 0.0219 U	< 0.0262 U	< 0.0225 U	< 0.0216 U	< 0.0237 U	< 0.0358 U	--	--	--	--
Trichlorofluoromethane	mg/kg		< 0.0947 U	< 0.0558 U	< 0.0636 U	< 0.0529 U	< 0.0599 U	< 0.0645 U	< 0.0577 U	< 0.0525 U	< 0.0548 U	< 0.0655 U	< 0.0561 U	< 0.0540 U	< 0.0592 U	< 0.0894 U	--	--	--	--
Vinyl Chloride	mg/kg		< 0.0473 U	< 0.0279 U	< 0.0318 U	< 0.0264 U	< 0.0299 U	< 0.0323 U	< 0.0289 U	< 0.0262 U	< 0.0274 U	< 0.0327 U	< 0.0281 U	< 0.0270 U	< 0.0296 U	< 0.0447 U	--	--	--	--

Table 1. Site Characterization Soil Quality Data

Project No. 26000940, Swedish First Hill Campus Expansion - Block 95, Seattle, Washington

		Sample Location	B95-AB-25	B95-AB-26	B95-AB-26	B95-AB-27	B95-AB-28	B95-AB-28	B95-AB-29	B95-AB-30	B95-AB-31	B95-AB-32	B95-AB-33	B95-AB-34	B95-AB-35	B95-AB-36	B95-AB-37
		Sample Date	03/23/2022	03/22/2022	03/22/2022	03/22/2022	03/23/2022	03/23/2022	03/24/2022	03/23/2022	03/24/2022	03/23/2022	03/23/2022	03/21/2022	03/21/2022	03/21/2022	03/21/2022
		Sample Name	B95-AB-25-10	B95-AB-26-7.5	B95-AB-26-12.5	B95-AB-27-10.5	B95-AB-28-12.5	B95-AB-28-26	B95-AB-29-5	B95-AB-30-20	B95-AB-31-5	B95-AB-32-7.5	B95-AB-33-7.5	B95-AB-34-8	B95-AB-35-6	B95-AB-36-6	B95-AB-37-6
		Sample Depth	10 ft	7.5 ft	12.5 ft	10.5 ft	12.5 ft	26 ft	5 ft	20 ft	5 ft	7.5 ft	7.5 ft	8 ft	6 ft	6 ft	6 ft
		Sample Type	native soil	native soil	native soil	native soil	native soil	native soil	fill soil	native soil	native soil	fill soil	fill soil	fill soil	fill soil	fill soil	fill soil
Analyte	**Unit**	**MTCA Method A Cleanup Level**															
Petroleum Hydrocarbons																	
Gasoline Range Organics	mg/kg	100	--	--	--	--	--	--	--	--	--	--	--	< 5.14 U	< 7.09 U	< 5.52 U	< 5.59 U
Diesel Range Organics	mg/kg	2000	< 53.4 UJ	< 50.5 U	< 48.2 U	< 53.8 U	< 53.3 U	< 49.2 U	--	< 56.2 U	--	< 52.4 U	< 51.1 U	< 51.1 U	< 53.9 U	< 53.8 U	< 48.0 U
Motor Oil Range Organics	mg/kg	2000	< 107 UJ	< 101 U	< 96.5 U	< 108 U	< 107 U	< 98.4 U	--	< 112 U	--	< 105 U	< 102 U	< 102 U	< 108 U	< 108 U	< 95.9 U
Diesel & Oil Extended Range Organics	mg/kg	2000	< 160 UJ	< 152 U	< 145 U	< 162 U	< 160 UJ	< 148 UJ	--	< 169 UJ	--	< 157 UJ	< 153 UJ	< 153 U	< 162 U	< 161 U	< 144 U
Mineral Spirits	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BTEX																	
Benzene	mg/kg	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	mg/kg	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Xylenes	mg/kg	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																	
Arsenic	mg/kg	20	--	**2.97**	--	**3.40**	**2.84**	**2.45**	--	--	--	--	**2.43**	**2.58**	**5.39**	**2.33**	**2.64**
Barium	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium	mg/kg	2,000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	250	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons (PAHs)																	
1-Methylnaphthalene	ug/kg		--	--	--	--	--	< 20.9 U	< 22.2 U	--	< 19.5 U	< 21.5 U	< 21.5 U	< 21.3 U	--	--	--
2-Methylnaphthalene	ug/kg		--	--	--	--	--	< 20.9 U	< 22.2 U	--	< 19.5 U	< 21.5 U	< 21.5 U	< 21.3 U	--	--	--
Acenaphthene	ug/kg		--	--	--	--	--	< 20.9 U	< 22.2 U	--	< 19.5 U	< 21.5 U	< 21.5 U	< 21.3 U	--	--	--
Acenaphthylene	ug/kg		--	--	--	--	--	< 20.9 U	< 22.2 U	--	< 19.5 U	< 21.5 U	< 21.5 U	< 21.3 U	--	--	--
Anthracene	ug/kg		--	--	--	--	--	< 41.8 U	< 44.5 U	--	< 39.0 U	< 43.1 U	< 43.1 U	< 42.5 U	--	--	--
Benzo(g,h,i)perylene	ug/kg		--	--	--	--	--	< 20.9 U	< 22.2 U	--	< 19.5 U	< 21.5 U	< 21.5 U	< 21.3 U	--	--	--
Fluoranthene	ug/kg		--	--	--	--	--	< 41.8 U	< 44.5 U	--	< 39.0 U	< 43.1 U	< 43.1 U	< 42.5 U	--	--	--
Fluorene	ug/kg		--	--	--	--	--	< 20.9 U	< 22.2 U	--	< 19.5 U	< 21.5 U	< 21.5 U	< 21.3 U	--	--	--
Naphthalene	mg/kg	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	ug/kg	5000	--	--	--	--	--	< 20.9 U	< 22.2 U	--	< 19.5 U	< 21.5 U	< 21.5 U	< 21.3 U	--	--	--
Phenanthrene	ug/kg		--	--	--	--	--	< 41.8 U	< 44.5 U	--	< 39.0 U	< 43.1 U	< 43.1 U	< 42.5 U	--	--	--
Pyrene	ug/kg		--	--	--	--	--	< 41.8 U	< 44.5 U	--	< 39.0 U	< 43.1 U	< 43.1 U	< 42.5 U	--	--	--
Benz(a)anthracene	ug/kg		--	--	--	--	--	< 20.9 U	< 22.2 U	--	< 19.5 U	< 21.5 U	< 21.5 U	< 21.3 U	--	--	--
Benzo(a)pyrene	ug/kg	100	--	--	--	--	--	< 20.9 U	< 22.2 U	--	< 19.5 U	< 21.5 U	< 21.5 U	< 21.3 U	--	--	--
Benzo(b)fluoranthene	ug/kg		--	--	--	--	--	< 20.9 U	< 22.2 U	--	< 19.5 U	< 21.5 U	< 21.5 U	< 21.3 U	--	--	--
Benzo(k)fluoranthene	ug/kg		--	--	--	--	--	< 20.9 U	< 22.2 U	--	< 19.5 U	< 21.5 U	< 21.5 U	< 21.3 U	--	--	--
Chrysene	ug/kg		--	--	--	--	--	< 41.8 U	< 44.5 U	--	< 39.0 U	< 43.1 U	< 43.1 U	< 42.5 U	--	--	--
Dibenzo(a,h)anthracene	ug/kg		--	--	--	--	--	< 41.8 U	< 44.5 U	--	< 39.0 U	< 43.1 U	< 43.1 U	< 42.5 U	--	--	--
Indeno(1,2,3-cd)pyrene	ug/kg		--	--	--	--	--	< 41.8 U	< 44.5 U	--	< 39.0 U	< 43.1 U	< 43.1 U	< 42.5 U	--	--	--
Total cPAHs TEQ (ND = 1/2 RDL)	ug/kg	100	--	--	--	--	--	< 18.0 U	< 19.1 U	--	< 16.8 U	< 18.5 U	< 18.5 U	< 18.3 U	--	--	--

Table 1. Site Characterization Soil Quality Data

Project No. 26000940, Swedish First Hill Campus Expansion - Block 95, Seattle, Washington

		Sample Location	B95-AB-25	B95-AB-26	B95-AB-26	B95-AB-27	B95-AB-28	B95-AB-28	B95-AB-29	B95-AB-30	B95-AB-31	B95-AB-32	B95-AB-33	B95-AB-34	B95-AB-35	B95-AB-36	B95-AB-37
		Sample Date	03/23/2022	03/22/2022	03/22/2022	03/22/2022	03/23/2022	03/23/2022	03/24/2022	03/23/2022	03/24/2022	03/23/2022	03/23/2022	03/21/2022	03/21/2022	03/21/2022	03/21/2022
		Sample Name	B95-AB-25-10	B95-AB-26-7.5	B95-AB-26-12.5	B95-AB-27-10.5	B95-AB-28-12.5	B95-AB-28-26	B95-AB-29-5	B95-AB-30-20	B95-AB-31-5	B95-AB-32-7.5	B95-AB-33-7.5	B95-AB-34-8	B95-AB-35-6	B95-AB-36-6	B95-AB-37-6
		Sample Depth	10 ft	7.5 ft	12.5 ft	10.5 ft	12.5 ft	26 ft	5 ft	20 ft	5 ft	7.5 ft	7.5 ft	8 ft	6 ft	6 ft	6 ft
		Sample Type	native soil	native soil	native soil	native soil	native soil	native soil	fill soil	native soil	native soil	fill soil	fill soil	fill soil	fill soil	fill soil	fill soil
Analyte	**Unit**	**MTCA Method A Cleanup Level**															
Volatile Organic Compounds (VOCs)																	
1,1,1,2-Tetrachloroethane	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/kg	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane (EDB)	mg/kg	0.005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane (EDC)	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Hexanone	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromobenzene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene (cDCE)	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	mg/kg	0.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/kg	0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Isopropyltoluene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene (PCE)	mg/kg	0.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	mg/kg	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/kg		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

Bold - analyte was detected at or above the laboratory reporting limit

Blue Shaded - detected concentration exceeded the Model Toxics Control Act (MTCA) cleanup level (CUL)

< - analyte was not detected at or above the reporting limit shown

J - result value estimated

UJ - analyte not detected and the reporting limit is an estimate

X - the laboratory has indicated that the chromatographic pattern does not match fuel standard used for quantitation

Sum of carcinogenic PAHs (cPAHs) calculated using the Toxic Equivalency (TEQ) method; none detects (NDs) were incorporated as half of the reporting limit (1/2 RL).

*Methylene chloride detections have been flagged as the result of laboratory contamination.

mg/kg - milligrams per kilogram

ug/kg - micrograms per kilogram

The diesel and oil extended range organics values where concentrations were not detected were calculated by the analytical laboratory by summing the reportling limits. Where detected, the values are reported directly from the analytical laboratory.

Table 2. Site Characterization Groundwater Elevations and Analytical Data

Project No. 26000940, Swedish First Hill Campus Expansion - Block 95, Seattle, Washington

		Sample Location	GEI-10			GEI-11			GEI-12			GEI-13		
		Top of Casing Elevation (ft NAVD88)	327.35			355.28			326.63			349.65		
		Screened Interval	85-105 ft bgs			130-140 ft bgs			90-100 ft bgs			98-108 ft bgs		
		Sample Date	05/04/2021	05/21/2021	04/11/2022	05/04/2021	05/21/2021	04/13/2022	05/04/2021	05/21/2021	04/12/2022	05/04/2021	05/21/2021	04/12/2022
		Depth to Groundwater (ft bTOC)	94.44	94.35	94.25	105.32	105.31	104.70	93.34	93.39	92.69	103.10	103.38	102.95
		Groundwater Elevation (ft NAVD88)	232.91	233.00	233.10	249.96	249.97	250.58	233.29	233.24	233.94	246.55	246.27	246.70
Analyte	**Unit**	**MTCA Method A Cleanup Level**												
Petroleum Hydrocarbons														
Gasoline Range Organics	ug/L	800	< 50.0 U	--	< 50 U	< 50.0 U	--	< 50 U	< 50.0 U	--	< 50 U	< 50.0 U	--	< 50 U
Diesel Range Organics	ug/L	500	< 103 U	< 98.3 U	< 119 U	< 102 U	**337 X**	**1050**	< 102 U	< 99.4 U	< 120 U	< 99.9 U	< 98.6 U	< 118 U
Motor Oil Range Organics	ug/L	500	**526 J**	**4680**	< 119 U	**1010 J**	< 99.7 U	< 118 U	**274 J**	**1060**	**243**	**3510 J**	**3410 J**	**753**
Diesel and Oil Extended Range Organics	ug/L	500	**526 J**	**4680**	< 238 U	**1070 J**	**337 X**	**1050**	**274 J**	**1060**	**243**	**3550 J**	**3410 J**	**753**
Creosote	ug/L		--	--	--	--	**337**	--	--	--	--	--	--	--
Dissolved Metals														
Arsenic	ug/L	5	< 1.00 U	**2.58**	--	**19.2 J**	**7.94**	**8.16**	< 1.00 U	**1.50**	**1.46**	< 1.00 U	< 1.00 U	**1.00**
Barium	ug/L		**23.0**	--	--	**15.4**	--	--	**17.0**	--	--	**42.4**	--	--
Cadmium	ug/L	5	< 0.125 U	--	--	< 0.125 U	--	--	< 0.125 U	--	--	< 0.125 U	--	--
Chromium	ug/L	50	< 0.750 U	--	--	< 0.750 U	--	--	**1.44 J**	--	--	< 0.750 U	--	--
Lead	ug/L	15	< 0.500 U	--	--	< 0.500 U	--	--	< 0.500 U	--	--	< 0.500 U	--	--
Mercury	ug/L	2	< 0.100 U	--	--	< 0.100 U	--	--	< 0.100 U	--	--	< 0.100 U	--	--
Selenium	ug/L		**6.54**	--	--	< 1.90 U	--	--	< 1.90 U	--	--	< 1.90 U	--	--
Silver	ug/L		< 0.350 U	--	--	< 0.350 U	--	--	< 0.350 U	--	--	< 0.350 U	--	--
Total Metals														
Arsenic	ug/L	5	--	--	**1.85 J**	--	--	--	--	--	--	--	--	--
Barium	ug/L		--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	ug/L	5	--	--	--	--	--	--	--	--	--	--	--	--
Chromium	ug/L	50	--	--	--	--	--	--	--	--	--	--	--	--
Lead	ug/L	15	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	ug/L	2	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	ug/L		--	--	--	--	--	--	--	--	--	--	--	--
Silver	ug/L		--	--	--	--	--	--	--	--	--	--	--	--
BTEX														
Benzene	ug/L	5	< 0.440 U	--	< 0.44 U	< 0.440 U	--	< 0.44 U	< 0.440 U	--	< 0.44 U	< 0.440 U	--	< 0.44 U
Toluene	ug/L	1000	< 0.750 U	--	< 0.75 U	< 0.750 U	--	< 0.75 U	< 0.750 U	--	< 0.75 U	< 0.750 U	--	< 0.75 U
Ethylbenzene	ug/L	700	< 0.400 U	--	< 0.4 U	< 0.400 U	--	< 0.4 U	< 0.400 U	--	< 0.4 U	< 0.400 U	--	< 0.4 U
Total Xylenes	ug/L	1000	< 1 U	--	< 1 U	< 1 U	--	< 1 U	< 1 U	--	< 1 U	< 1 U	--	< 1 U
Volatile Organic Compounds (VOCs)														
1,1,1,2-Tetrachloroethane	ug/L		< 0.300 U	--	< 0.3 U	< 0.300 U	--	< 0.3 U	< 0.300 U	--	< 0.3 U	< 0.300 U	--	< 0.3 U
1,1,1-Trichloroethane	ug/L	200	< 0.400 U	--	< 0.4 U	< 0.400 U	--	< 0.4 U	< 0.400 U	--	< 0.4 U	< 0.400 U	--	< 0.4 U
1,1,2,2-Tetrachloroethane	ug/L		< 0.400 U	--	< 0.4 U	< 0.400 U	--	< 0.4 UJ	< 0.400 U	--	< 0.4 U	< 0.400 U	--	< 0.4 U
1,1,2-Trichloroethane	ug/L		< 0.350 U	--	< 0.35 U	< 0.350 U	--	< 0.35 U	< 0.350 U	--	< 0.35 U	< 0.350 U	--	< 0.35 U
1,1-Dichloroethane	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
1,1-Dichloroethene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
1,1-Dichloropropene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
1,2,3-Trichlorobenzene	ug/L		< 0.700 U	--	< 0.7 U	< 0.700 U	--	< 0.7 U	< 0.700 U	--	< 0.7 U	< 0.700 U	--	< 0.7 U
1,2,3-Trichloropropane	ug/L		< 0.400 U	--	< 0.4 U	< 0.400 U	--	< 0.4 UJ	< 0.400 U	--	< 0.4 U	< 0.400 U	--	< 0.4 U
1,2,4-Trichlorobenzene	ug/L		< 0.750 U	--	< 0.75 U	< 0.750 U	--	< 0.75 U	< 0.750 U	--	< 0.75 U	< 0.750 U	--	< 0.75 U
1,2,4-Trimethylbenzene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
1,2-Dibromo-3-chloropropane	ug/L		< 1.00 U	--	< 1 U	< 1.00 U	--	< 1 U	< 1.00 U	--	< 1 U	< 1.00 U	--	< 1 U
1,2-Dibromoethane (EDB)	ug/L	0.01	< 0.300 U	< 0.0100 U	< 0.3 U	< 0.300 U	< 0.0100 U	< 0.3 U	< 0.300 U	< 0.0100 U	< 0.3 U	< 0.300 U	< 0.0100 U	< 0.3 U
1,2-Dichlorobenzene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
1,2-Dichloroethane (EDC)	ug/L	5	< 0.400 U	--	< 0.4 U	< 0.400 U	--	< 0.4 U	< 0.400 U	--	< 0.4 U	< 0.400 U	--	< 0.4 U
1,2-Dichloropropane	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
1,3,5-Trimethylbenzene	ug/L		< 0.250 U	--	< 0.25 U	< 0.250 U	--	< 0.25 U	< 0.250 U	--	< 0.25 U	< 0.250 U	--	< 0.25 U
1,3-Dichlorobenzene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
1,3-Dichloropropane	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
1,4-Dichlorobenzene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U

Table 2. Site Characterization Groundwater Elevations and Analytical Data

Project No. 26000940, Swedish First Hill Campus Expansion - Block 95, Seattle, Washington

		Sample Location	GEI-10			GEI-11			GEI-12			GEI-13		
		Top of Casing Elevation (ft NAVD88)	327.35			355.28			326.63			349.65		
		Screened Interval	85-105 ft bgs			130-140 ft bgs			90-100 ft bgs			98-108 ft bgs		
		Sample Date	05/04/2021	05/21/2021	04/11/2022	05/04/2021	05/21/2021	04/13/2022	05/04/2021	05/21/2021	04/12/2022	05/04/2021	05/21/2021	04/12/2022
		Depth to Groundwater (ft bTOC)	94.44	94.35	94.25	105.32	105.31	104.70	93.34	93.39	92.69	103.10	103.38	102.95
		Groundwater Elevation (ft NAVD88)	232.91	233.00	233.10	249.96	249.97	250.58	233.29	233.24	233.94	246.55	246.27	246.70
Analyte	**Unit**	**MTCA Method A Cleanup Level**												
2-Butanone	ug/L		< 1.50 U	--	< 1.5 U	< 1.50 U	--	< 1.5 U	< 1.50 U	--	< 1.5 U	< 1.50 U	--	< 1.5 U
2-Chlorotoluene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
2-Hexanone	ug/L		< 1.00 U	--	< 1 U	< 1.00 U	--	< 1 UJ	< 1.00 U	--	< 1 U	< 1.00 U	--	< 1 U
4-Chlorotoluene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
4-Methyl-2-pentanone	ug/L		< 1.25 U	--	< 1.25 U	< 1.25 U	--	< 1.25 U	< 1.25 U	--	< 1.25 U	< 1.25 U	--	< 1.25 U
Acetone	ug/L		< 6.00 U	--	< 6 U	< 6.00 U	--	< 6 U	< 6.00 U	--	< 6 U	< 6.00 U	--	< 6 U
Bromobenzene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
Bromodichloromethane	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
Bromoform	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 UJ	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
Bromomethane	ug/L		< 1.20 U	--	< 1.2 U	< 1.20 U	--	< 1.2 U	< 1.20 U	--	< 1.2 U	< 1.20 U	--	< 1.2 U
Carbon Tetrachloride	ug/L		< 0.750 U	--	< 0.75 U	< 0.750 U	--	< 0.75 U	< 0.750 U	--	< 0.75 U	< 0.750 U	--	< 0.75 U
Chlorobenzene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
Chloroethane	ug/L		< 1.00 U	--	< 1 U	< 1.00 U	--	< 1 U	< 1.00 U	--	< 1 U	< 1.00 U	--	< 1 U
Chloroform	ug/L		**0.881**	--	**0.518**	**0.543**	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
Chloromethane	ug/L		< 0.750 U	--	< 0.75 U	< 0.750 U	--	< 0.75 U	< 0.750 U	--	< 0.75 U	< 0.750 U	--	< 0.75 U
cis-1,2-Dichloroethene (cDCE)	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
cis-1,3-Dichloropropene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
Dibromochloromethane	ug/L		< 1.00 U	--	< 1 U	< 1.00 U	--	< 1 U	< 1.00 U	--	< 1 U	< 1.00 U	--	< 1 U
Dibromomethane	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
Dichlorodifluoromethane	ug/L		< 1.25 U	--	< 1.25 UJ	< 1.25 UJ	--	< 1.25 U	< 1.25 UJ	--	< 1.25 UJ	< 1.25 UJ	--	< 1.25 UJ
Hexachlorobutadiene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
Isopropylbenzene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
m,p-Xylenes	ug/L		< 1.00 U	--	< 1 U	< 1.00 U	--	< 1 U	< 1.00 U	--	< 1 U	< 1.00 U	--	< 1 U
Methyl tert-butyl ether (MTBE)	ug/L	20	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
Methylene Chloride	ug/L	5	**4.41**	--	< 0.75 U	**1.29**	--	< 0.75 U	**3.14**	--	< 0.75 U	**1.48**	--	< 0.75 U
n-Butylbenzene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
n-Propylbenzene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
Naphthalene	ug/L	160	< 1.25 U	--	< 1.25 U	**1.68**	--	< 1.25 U	< 1.25 U	--	< 1.25 U	< 1.25 U	--	< 1.25 U
o-Xylene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
p-Isopropyltoluene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
sec-Butylbenzene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
Styrene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
tert-Butylbenzene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
Tetrachloroethene (PCE)	ug/L	5	< 0.400 U	--	< 0.4 U	< 0.400 U	--	< 0.4 U	< 0.400 U	--	< 0.4 U	< 0.400 U	--	< 0.4 U
trans-1,2-Dichloroethene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
trans-1,3-Dichloropropene	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
Trichloroethene (TCE)	ug/L	5	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
Trichlorofluoromethane	ug/L		< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U	< 0.500 U	--	< 0.5 U
Vinyl Chloride	ug/L	0.2	< 0.350 U	< 0.0100 U	< 0.2 U	< 0.350 U	< 0.0100 U	< 0.2 U	< 0.350 U	< 0.0100 U	< 0.2 U	< 0.350 U	< 0.0100 U	< 0.2 U
Field Parameters														
Temperature	deg C		15.2	15.1	14.1	15.7	15.8	15.3	15.7	15.2	13.6	16.0	15.1	17.3
Specific Conductance	uS/cm		503.4	502.4	584.2	295.6	267.2	260.9	473.9	480.1	510.0	429.4	426.4	844
Dissolved Oxygen	mg/L		5.40	5.14	11.79	3.37	2.01	11.07	6.47	5.23	14.45	5.22	5.42	9.09
pH	pH units		6.60	6.73	6.55	7.07	7.14	8.04	6.65	6.61	6.77	6.68	6.98	6.57
Oxidation Reduction Potential	mV		63.4	78.8	94.2	126.1	109.1	108.2	73.1	70.2	141.0	69.2	70.8	144.1
Turbidity	NTU		21.4	>1000	11.5	27.2	16.2	69.5	212	>1000	75.4	799	>1000	40.1

Notes:

Bold - analyte was detected at or above the laboratory reporting limit

Blue Shaded - detected concentration exceeded the Model Toxics Control Act (MTCA) cleanup level (CUL)

< - analyte was not detected at or above the reporting limit shown

J - result value estimated

UJ - analyte not detected and the reporting limit is an estimate

X - the laboratory has indicated that the chromatographic pattern does not match fuel standard used for quantitation

ug/L - micrograms per liter

deg C - degrees celcius

uS/cm - microSeimens per centimeter

mg/L - miligrams per liter

mV - milivolts

NTU - Nephelometric turbidity units

> - reading exceeded the maximum insturment threshold

ft bgs - feet below ground surface

ft bTOC - feet below top of casing

ft NAVD88 - feet relative to North American Vertical Datum of 1988

-- - not tested

Table 3. Remedial Action Confirmation Soil Sampling Results

Project No. 26000940, Swedish First Hill Expansion - Block 95, Seattle, Washington

Remedial Excavation Area			AB-06 Area		AB-02 Area				
		Sample Location	B95-TP-06	B95-TP-21	B95-N21-W25	B95-N22-W24	B95-N22-W25	B95-N22-W26	B95-N24-W25
		Sample Date	04/19/2022	04/19/2022	05/16/2022	05/16/2022	05/16/2022	05/16/2022	05/16/2022
		Sample Name	B95-TP-06-25	B95-TP-21-25	B95-N21-W25-13	B95-N22-W24-13	B95-N22-W25-14	B95-N22-W26-13	B95-N24-W25-13
		Sample Depth (ft)	25	25	13	13	14	13	13
		Excavation Wall	Base	Base	West Sidewall Base	South Sidewall Base	Center Base	North Sidewall Base	East Sidewall Base
Analyte	**Unit**	**MTCA Method A Cleanup Level**							
Petroleum Hydrocarbons									
Gasoline Range Organics	mg/kg	100	< 4.76 U	< 4.66 U	< 5.47 U	< 6.39 U	< 5.56 U	< 6.44 U	< 5.74 U
Diesel Range Organics	mg/kg	2000	< 55.4 U	< 46.9 U	< 52.6 U	< 52.8 U	< 51.8 U	< 52.1 U	< 44.8 U
Motor Oil Range Organics	mg/kg	2000	< 111 U	< 93.8 U	< 105 U	< 106 U	< 104 U	< 104 U	< 89.5 U
Diesel & Oil Extended Range Organics	mg/kg	2000	< 166 U	< 141 U	< 158 U	< 158 U	< 155 U	< 156 U	< 134 U
Metals									
Arsenic	mg/kg	20	**3.17**	**2.77**	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons (PAHs)									
1-Methylnaphthalene	ug/kg		< 21.3 U	< 19.7 U	--	--	--	--	--
2-Methylnaphthalene	ug/kg		< 21.3 U	< 19.7 U	--	--	--	--	--
Acenaphthene	ug/kg		< 21.3 U	< 19.7 U	--	--	--	--	--
Acenaphthylene	ug/kg		< 21.3 U	< 19.7 U	--	--	--	--	--
Anthracene	ug/kg		< 42.7 U	< 39.5 U	--	--	--	--	--
Benzo(g,h,i)perylene	ug/kg		< 21.3 U	< 19.7 U	--	--	--	--	--
Fluoranthene	ug/kg		< 42.7 U	< 39.5 U	--	--	--	--	--
Fluorene	ug/kg		< 21.3 U	< 19.7 U	--	--	--	--	--
Naphthalene	ug/kg	5000	< 21.3 U	< 19.7 U	--	--	--	--	--
Phenanthrene	ug/kg		< 42.7 U	< 39.5 U	--	--	--	--	--
Pyrene	ug/kg		< 42.7 U	< 39.5 U	--	--	--	--	--
Benz(a)anthracene	ug/kg		< 21.3 U	< 19.7 U	--	--	--	--	--
Benzo(a)pyrene	ug/kg	100	< 21.3 U	< 19.7 U	--	--	--	--	--
Benzo(b)fluoranthene	ug/kg		< 21.3 U	< 19.7 U	--	--	--	--	--
Benzo(k)fluoranthene	ug/kg		< 21.3 U	< 19.7 U	--	--	--	--	--
Chrysene	ug/kg		< 42.7 U	< 39.5 U	--	--	--	--	--
Dibenzo(a,h)anthracene	ug/kg		< 42.7 U	< 39.5 U	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	ug/kg		< 42.7 U	< 39.5 U	--	--	--	--	--
Total cPAHs TEQ (ND = 1/2 RDL)	ug/kg	100	< 18.3 U	< 17.0 U	--	--	--	--	--

Notes:

Bold - analyte was detected at or above the laboratory reporting limit

Blue Shaded - detected concentration exceeded the Model Toxics Control Act (MTCA) cleanup level (CUL)

< - analyte was not detected at or above the reporting limit shown

Sum of carcinogenic PAHs (cPAHs) calculated using the Toxic Equivalency (TEQ) method; none detects (NDs) were incorporated as half of the reporting limit (1/2 RL).

mg/kg - milligrams per kilogram

ug/kg - micrograms per kilogram

Table 4. UST Removal Soil Sample Results

Project No. 26000940, Swedish First Hill Campus Expansion - Block 95, Seattle, Washington

		Sample Location	FDA-2	B95-N4-W1	B95-N4-W1.5	B95-N4-W1.5	B95-N5-W1.5	B95-N5-W1.5	B95-N5-W2.5	B95-N6-W1.5
		Sample Date	04/29/2022	06/01/2022	06/01/2022	06/01/2022	06/01/2022	06/01/2022	06/01/2022	06/01/2022
		Sample Name	FDA-2-7.5	B95-N4-W1-15	B95-N4-W1.5-15	B95-N4-W1.5-16	B95-N5-W1.5-15.5	B95-N5-W1.5-16	B95-N5-W2.5-15	B95-N6-W1.5-15
		Sample Depth (ft)	7.5	15	15	16	15.5	16	15	15
Analyte	**Unit**	**MTCA Method A Cleanup Level**								
Petroleum Hydrocarbons										
Gasoline Range Organics	mg/kg	100	< 5.3 U	--	--	--	--	--	--	--
Diesel Range Organics	mg/kg	2000	< 47.1 U	< 52.7 U	< 50.8 U	< 55.8 U	**442**	< 57.6 U	< 58.1 U	< 59.1 U
Motor Oil Range Organics	mg/kg	2000	**866**	< 105 U	< 102 U	< 112 U	**179**	< 115 U	< 116 U	< 118 U

Notes:

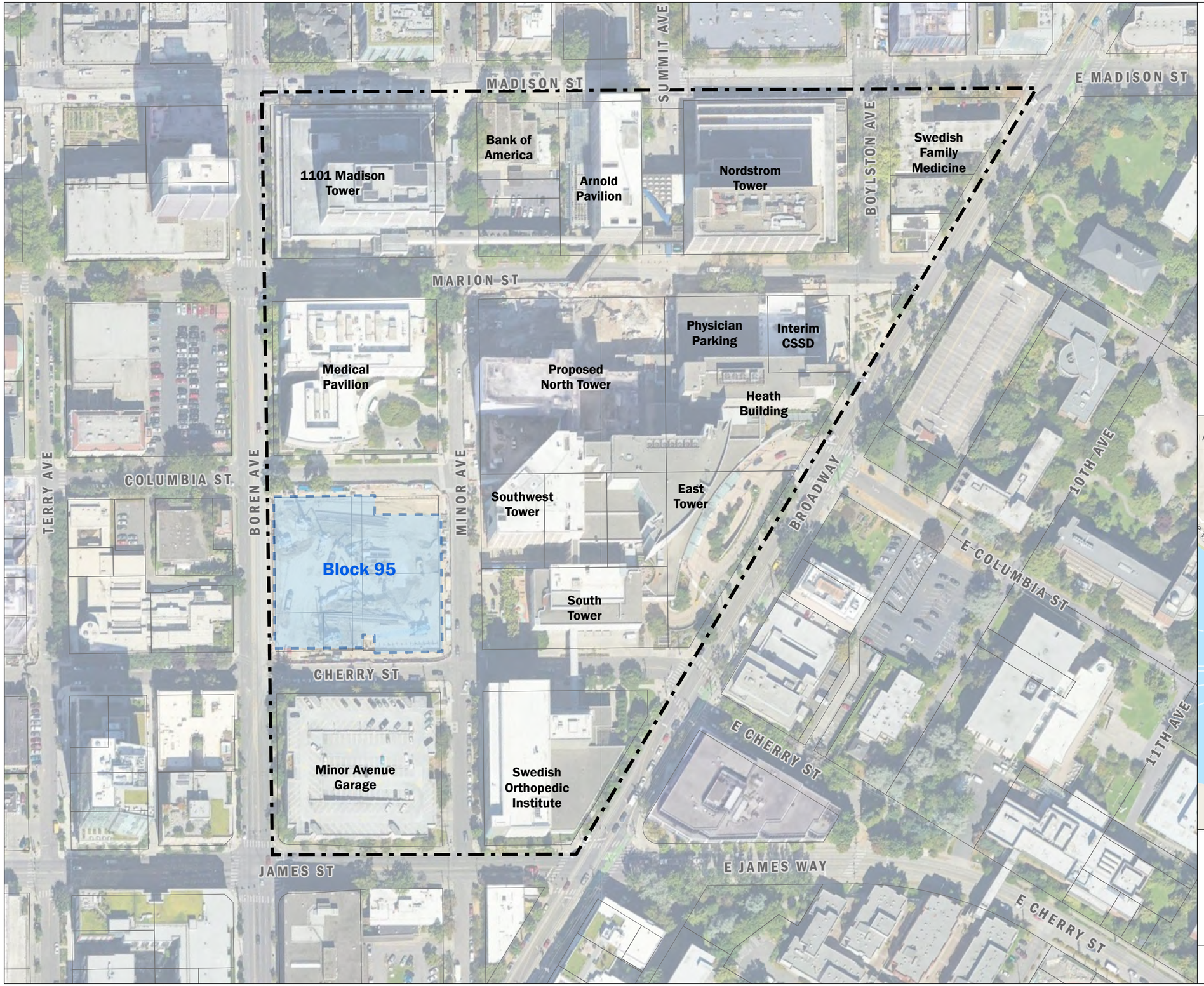
Bold - analyte was detected at or above the laboratory reporting limit

Blue Shaded - detected concentration exceeded the Model Toxics Control Act (MTCA) cleanup level (CUL)

< - analyte was not detected at or above the reporting limit shown

mg/kg - milligrams per kilogram

FIGURES



Estimated Footprint of New Building

Swedish First Hill Campus

King County Tax Parcel

0 150 300 Feet

Project Site Plan

Remedial Action Report - Block 95
Swedish First Hill Redevelopment
Seattle, Washington

Aspect CONSULTING	NOV-2024	BY: ACO / NLK	FIGURE NO.
	PROJECT NO. AS200482	REVISED BY: --- / ---	1

Data source credits: ALC / TDR || Basemap Service Layer Credits: © OpenStreetMap (and) contributors, CC-BY-SA, Esri, NASA, NGA, USGS, FEMA, City of Seattle, King County, WA State Parks GIS, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, USDA, USFWS

GIS Path: G:\projects\SwedishFirstHill_2004482\Deliverell\RAR\BSS\SwedishBS95RAR.aprx; 01 Project Site Plan || User: Nora Mcinhe || Print Date: 11/8/2024

Soil Boring
(completed by Aspect, 2022)

Soil Boring
(completed by Aspect, 2021)

Groundwater Monitoring Well
(completed by GeoEngineers, 2020)

Cross Section

Extent of Mass Excavation to
50 feet Below Former Ground Surface

Underground Storage Tank (UST)
Discovered and Removed

Estimated Extent of Former Building Basements,
Temporarily Backfilled with Demolition Debris

King County Tax Parcel

Notes:
- Aerial image sourced from King County, 2019.
- Site features are approximate.

N

0 30 60
Feet

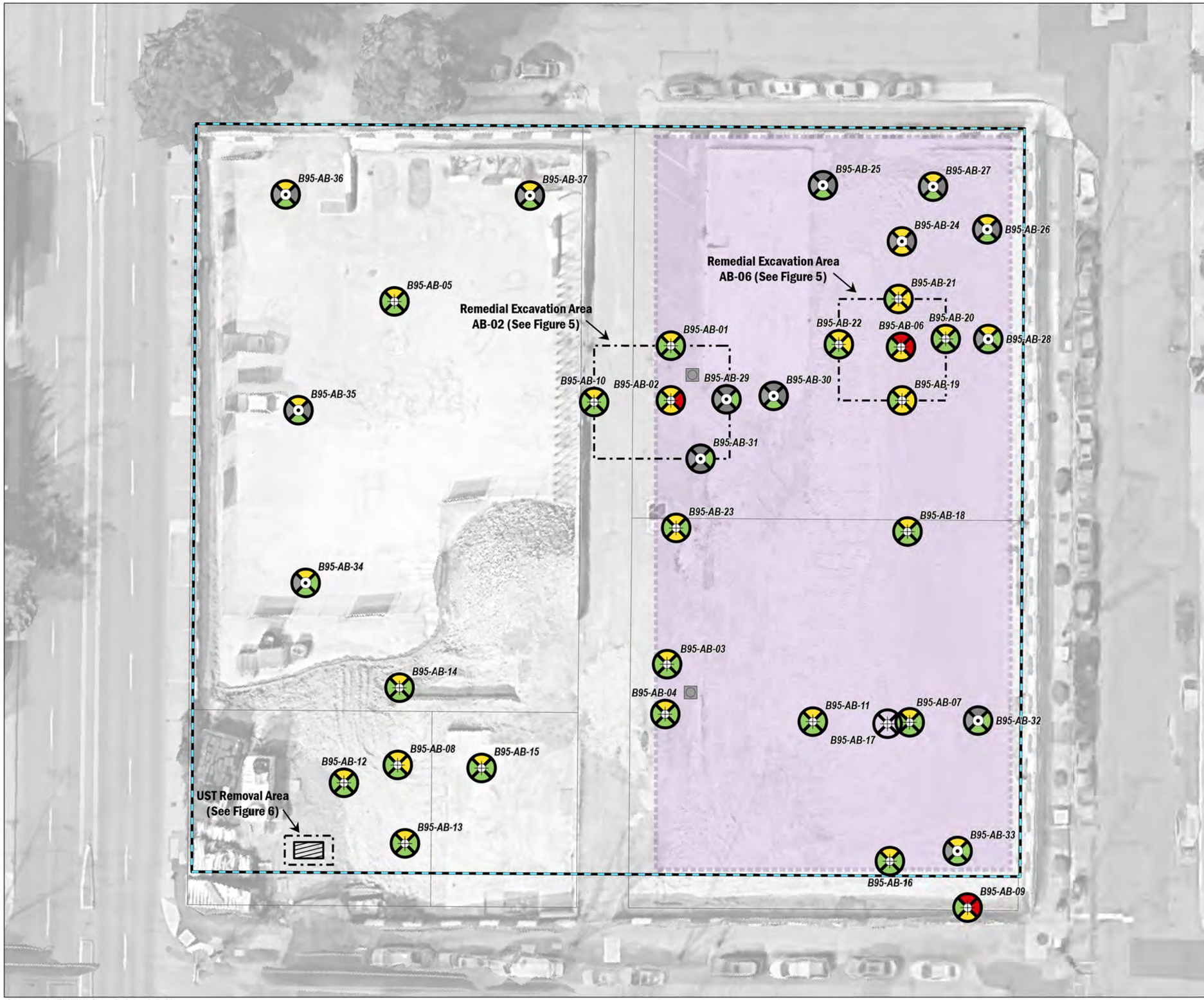
Site Plan

Remedial Action Report - Block 95
Swedish First Hill Redevelopment
Seattle, Washington

Aspect CONSULTING	NOV-2024	BY: ACO / NLK	FIGURE NO.
	PROJECT NO. AS200482	REVISED BY: - - - / - - -	2

Data source credits: MMR / NLK || Basemap Service Layer Credits: EagleView Technologies, Inc.

GIS Path: G:\projects\Swedish\FirstHill_2004-48\Deliverell\RAR\B95\Swedish\B95RAR.aprx: 02 Site Plan - Block 95 || User: NoraKoehle || Print Date: 11/8/2024



Soil Boring (completed by Aspect, 2022)

Soil Boring (completed by Aspect, 2021)

UST Fill Port

Excavation Area

Extent of Mass Excavation to 50 feet Below Former Ground Surface

Estimated Extent of Former Building Basements, Temporarily Backfilled with Demolition Debris

Underground Storage Tank (UST) Discovered and Removed

King County Tax Parcel

Soil Analytical Results

The contaminant corresponding to the circle segment (as described in the legend) was detected in soil at a concentration greater than the MTCA Method A cleanup level.

The contaminant corresponding to the circle segment (as described in the legend) was detected in soil at a concentration less than the MTCA Method A cleanup level.

The contaminant corresponding to the circle segment (as described in the legend) was not detected or was below the background metals level.

Not Sampled

Arsenic
BTEX
PAHs
TPHs

- BTEX = benzene, toluene, ethylbenzene and xylene
- TPHs = Total Petroleum Hydrocarbons
- PAHs = Polycyclic aromatic hydrocarbons
- MTCA = Model Toxics Control Act
- mg/kg = Milligrams per kilogram

Notes:
- *All metals besides arsenic were detected at concentrations less than the MTCA Method A cleanup level and similar to natural background concentrations*
- ** Methylene Chloride was detected at concentrations greater than cleanup levels, but it is a common laboratory contaminant and not considered representative of actual soil conditions.*
- *See Table 1 for detailed results.*
- *Aerial image sourced from Google Earth Pro, 2021.*
- *Site features are approximate.*

0 30 60 Feet

N

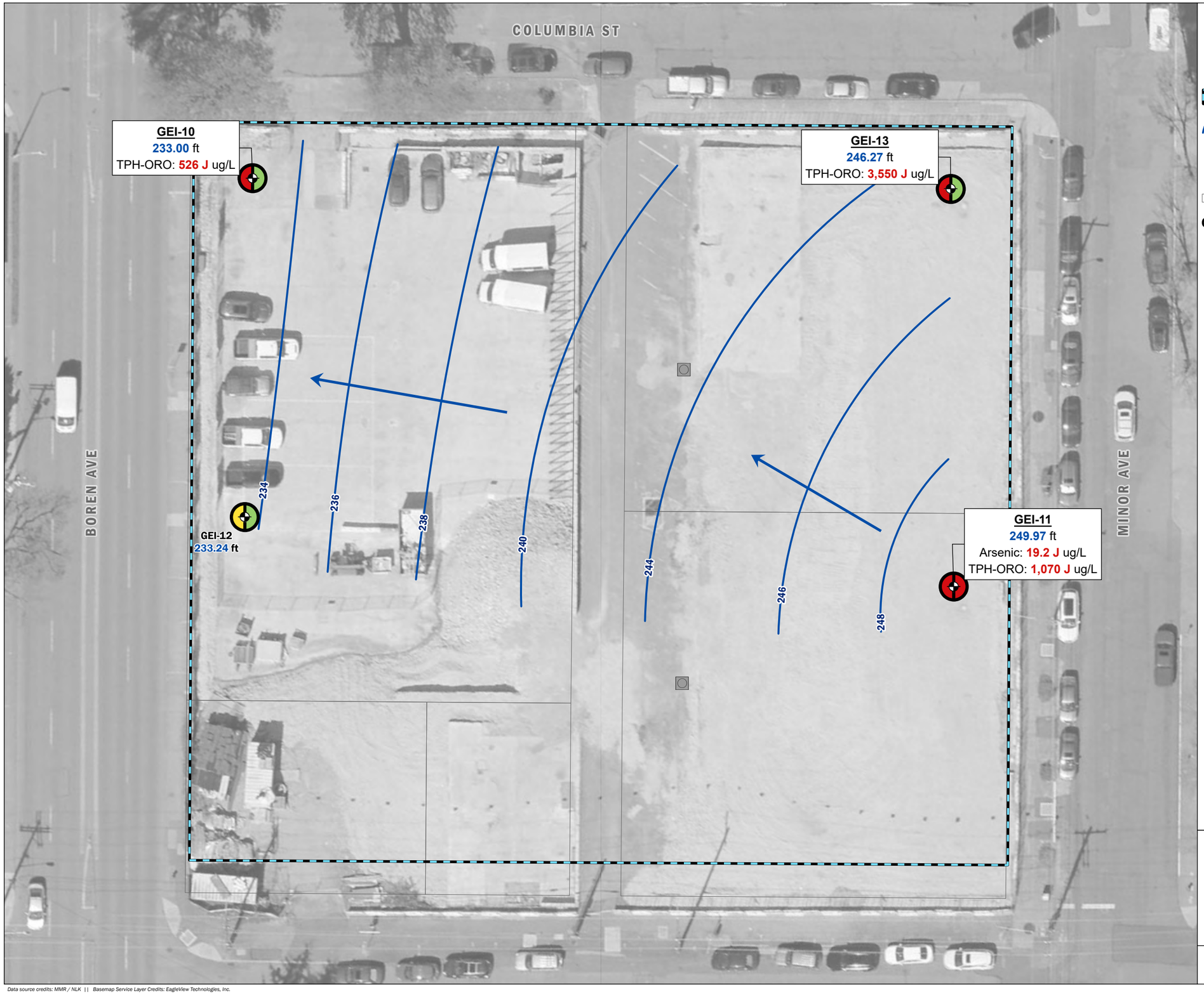
Site Characterization Soil Analytical Data

Remedial Action Report - Block 95
Swedish First Hill Redevelopment
Seattle, Washington

Aspect CONSULTING	MAR-2026	BY: ACO / NLK	FIGURE NO.
	PROJECT NO. AS200482	REVISED BY: ACO / MMP	3

Data source credits: HRC / NLK || Basemap Service Layer Credits: NA

GIS Path: G:\projects\SwedishFirstHill_200448\Deliverell\RAR\B95\SwedishB95RAR.aprx; 03 Site Characterization Soil Analytical Data || User: Madeline Peery || Print Date: 3/25/2026



Groundwater Monitoring Well (completed by GeoEngineers, 2020)

UST Fill Port

Extent of Mass Excavation to 50 feet Below Former Ground Surface

Groundwater Contour Line, ft (measured May 04, 2021)

Groundwater Flow Direction

King County Tax Parcel

Groundwater Analytical Results

The contaminant corresponding to the circle segment (as described in the legend) was detected in groundwater at a concentration greater than the MTCA Method A cleanup level, as shown in the call-out boxes.

The contaminant corresponding to the circle segment (as described in the legend) was detected in groundwater at a concentration less than the MTCA Method A cleanup level.

The contaminant corresponding to the circle segment (as described in the legend) was not detected in groundwater or was below the background metals level.

TPH → ← Arsenic

- TPH = Total Petroleum Hydrocarbons
- TPH-DRO = Diesel Range Organics
- TPH-ORO = Motor Oil Range Organics
- MTCA = Model Toxics Control Act
- ug/L = Microgram per liter

Exploration ID

GEI-13
246.55 ft
TPH-ORO: 3,550 J ug/L

Groundwater Elevation NAVD88 feet

Analyte with an exceedance and its concentration

Notes:
- Cleanup level for TPH-Oil is 500 ug/L.
- Cleanup level for arsenic is 5 ug/L.
- Aerial image sourced from King County, 2021.
- Site features are approximate.

0 30 60 Feet

N

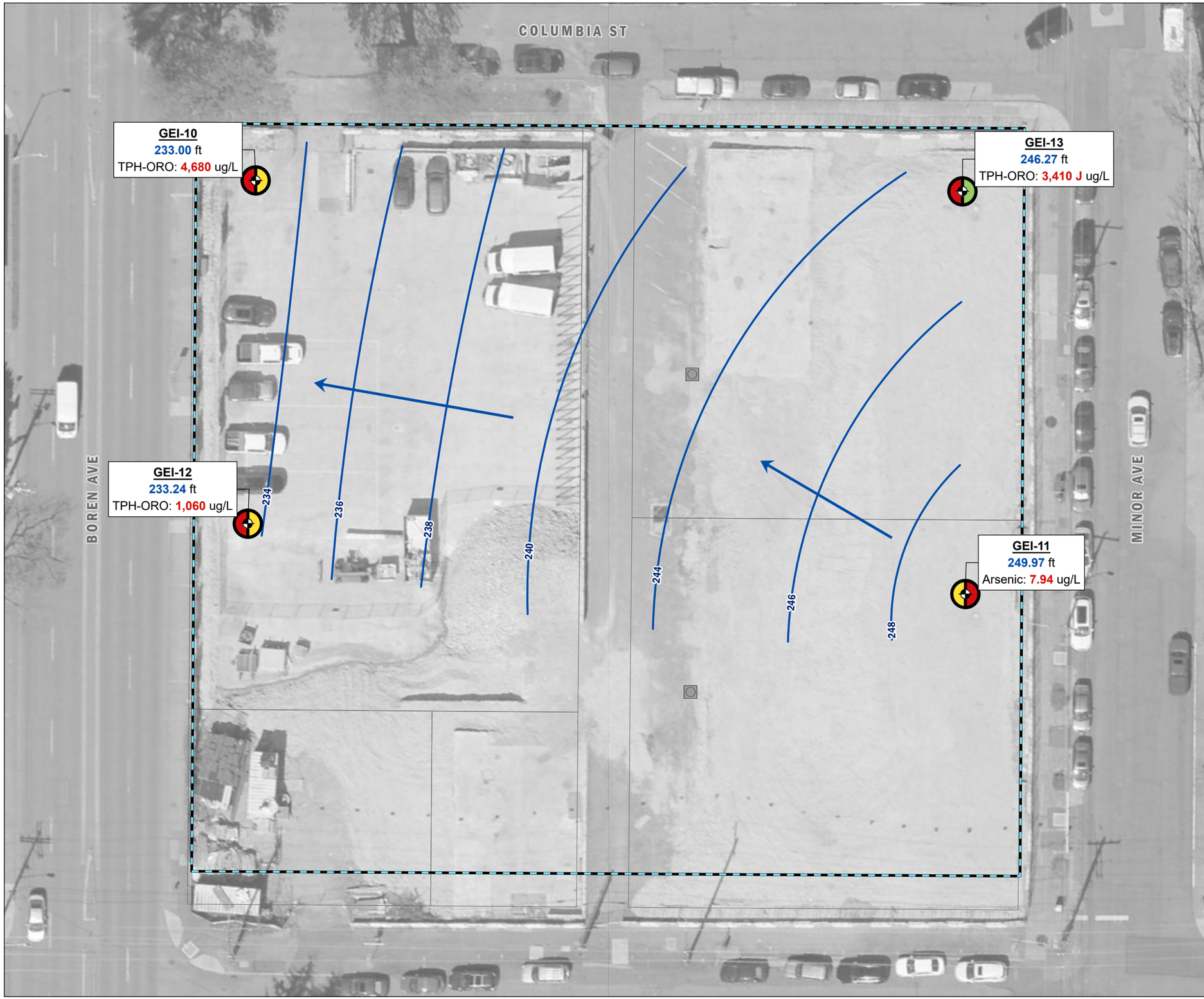
Site Characterization Groundwater Analytical Data - May 04, 2021

Remedial Action Report - Block 95
Swedish First Hill Redevelopment
Seattle, Washington

Aspect CONSULTING	NOV-2024	BY: ACO / NLK	FIGURE NO.
	PROJECT NO. AS200482	REVISED BY: --- / ---	4a

Data source credits: MMR / NLK || Basemap Service Layer Credits: EagleView Technologies, Inc.

GIS Path: G:\projects\Swedish\FirstHill_200448\Delivered\RAR\B95\Swedish\B95RAR.aprx | Data Site Characterization Groundwater Analytical Data May 04 2021 | User: Nina Nichle || Print Date: 11/8/2024



Groundwater Monitoring Well (completed by GeoEngineers, 2020)

UST Fill Port

Extent of Mass Excavation to 50 feet Below Former Ground Surface

Groundwater Contour Line, ft (measured May 21, 2021)

Groundwater Flow Direction

King County Tax Parcel

Groundwater Analytical Results

The contaminant corresponding to the circle segment (as described in the legend) was detected in groundwater at a concentration greater than the MTCA Method A cleanup level, as shown in the call-out boxes.

The contaminant corresponding to the circle segment (as described in the legend) was detected in groundwater at a concentration less than the MTCA Method A cleanup level.

The contaminant corresponding to the circle segment (as described in the legend) was not detected in groundwater or was below the background metals level.

TPH → ← Arsenic

- TPH = Total Petroleum Hydrocarbons
- TPH-DRO = Diesel Range Organics
- TPH-ORO = Motor Oil Range Organics
- MTCA = Model Toxics Control Act
- ug/L = Microgram per liter

Exploration ID

GEI-13
246.55 ft
TPH-ORO: 3,550 J ug/L

Groundwater Elevation NAVD88 feet

Analyte with an exceedance and its concentration

Notes:
- Cleanup level for TPH-Oil is 500 ug/L.
- Cleanup level for arsenic is 5 ug/L.
- Aerial image sourced from King County, 2021.
- Site features are approximate.

0 30 60 Feet

N

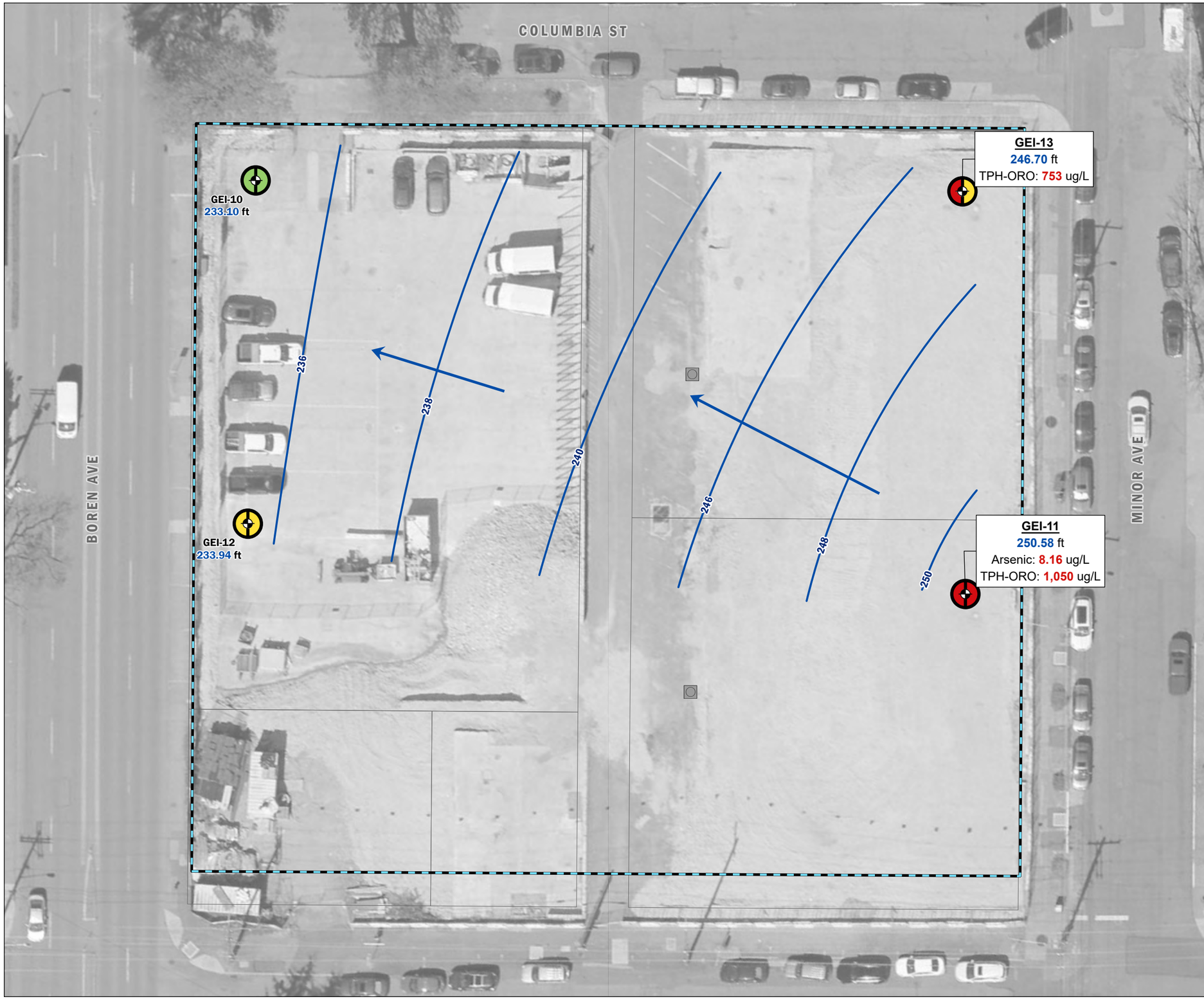
Site Characterization Groundwater Analytical Data - May 21, 2021

Remedial Action Report - Block 95
Swedish First Hill Redevelopment
Seattle, Washington

Aspect CONSULTING	NOV-2024	BY: ACO / NLK	FIGURE NO.
	PROJECT NO. AS200482	REVISED BY: --- / ---	4b

Data source credits: MMR / NLK || Basemap Service Layer Credits: EagleView Technologies, Inc.

GIS Path: G:\projects\Swedish\FirstHill_200448\Deliverables\BSB\SwedishBS95RAR.aprx | GIS Site Characterization Groundwater Analytical Data May 21 2021 | User: NoraKoche || Print Date: 11/8/2024



Groundwater Monitoring Well (completed by GeoEngineers, 2020)

UST Fill Port

Extent of Mass Excavation to 50 feet Below Former Ground Surface

Groundwater Contour Line, ft (measured April 12, 2022)

Groundwater Flow Direction

King County Tax Parcel

Groundwater Analytical Results

The contaminant corresponding to the circle segment (as described in the legend) was detected in groundwater at a concentration greater than the MTCA Method A cleanup level, as shown in the call-out boxes.

The contaminant corresponding to the circle segment (as described in the legend) was detected in groundwater at a concentration less than the MTCA Method A cleanup level.

The contaminant corresponding to the circle segment (as described in the legend) was not detected in groundwater or was below the background metals level.

TPH → ← Arsenic

- TPH = Total Petroleum Hydrocarbons
- TPH-DRO = Diesel Range Organics
- TPH-ORO = Motor Oil Range Organics
- MTCA = Model Toxics Control Act
- ug/L = Microgram per liter

Exploration ID

GEI-13
246.55 ft
TPH-ORO: 3,550 J ug/L

Groundwater Elevation NAVD88 feet

Analyte with an exceedance and its concentration

Notes:
- Cleanup level for TPH-Oil is 500 ug/L.
- Cleanup level for arsenic is 5 ug/L.
- Aerial image sourced from King County, 2021.
- Site features are approximate.

0 30 60 Feet

N

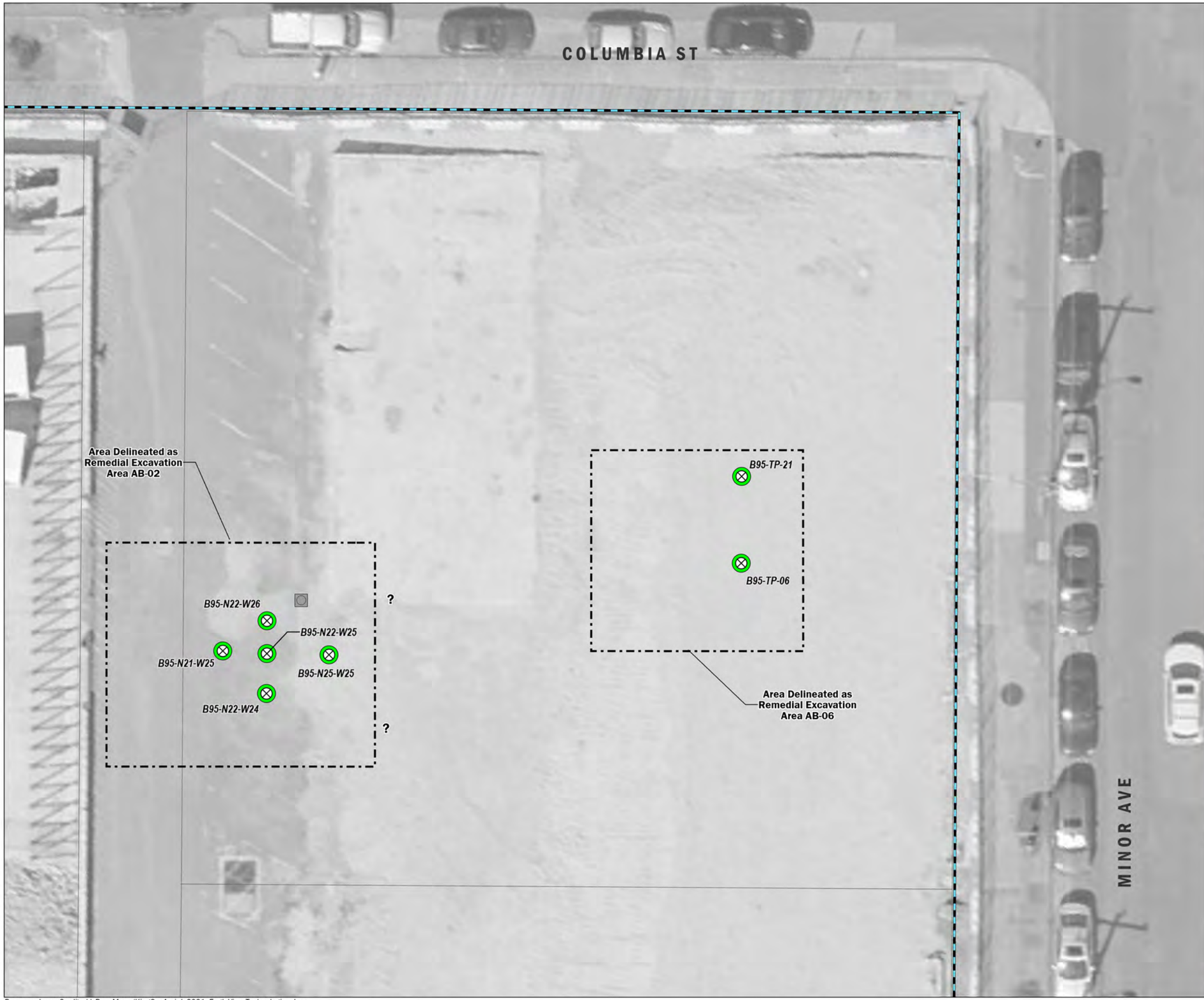
Site Characterization Groundwater Analytical Data - April 12, 2022

Remedial Action Report - Block 95
Swedish First Hill Redevelopment
Seattle, Washington

Aspect CONSULTING	NOV-2024	BY: ACO / NLK	FIGURE NO.
	PROJECT NO. AS200482	REVISED BY: --- / ---	4c

Data source credits: MMR / NLK || Basemap Service Layer Credits: EagleView Technologies, Inc.

GIS Path: G:\projects\Swedish\FirstHill_200448\Deliverables\BSB\SwedishBS5RAR.aprx | Layout: 04-Site Characterization Groundwater Analytical Data April 12 2022 | User: Nora Noche | | Print Date: 11/8/2024



Basemap Layer Credits || BaseMaps/KingCo_Aerial_2021: EagleView Technologies, Inc.

- TPH, arsenic, and/or PAHs were not detected above laboratory limits or natural background concentrations
- Remedial Excavation Confirmation Base Sample
- UST Fill Port
- Excavation Area
- Extent of Mass Excavation to 50 feet below former ground surface
- King County Tax Parcel

Notes:
- *All metals besides arsenic were detected at concentrations less than the MTCA Method A cleanup level and similar to natural background concentrations*
- ** Methylene Chloride was detected at concentrations greater than cleanup levels, but it is a common laboratory contaminant and not considered representative of actual soil conditions.*
- *BTEX = benzene, toluene, ethylbenzene and xylene*
- *TPHs = Total Petroleum Hydrocarbons*
- *PAHs = Polycyclic aromatic hydrocarbons*
- *See Table 2 for detailed results.*
- *Aerial image sourced from Google Earth Pro, 2021.*
- *Site features are approximate.*

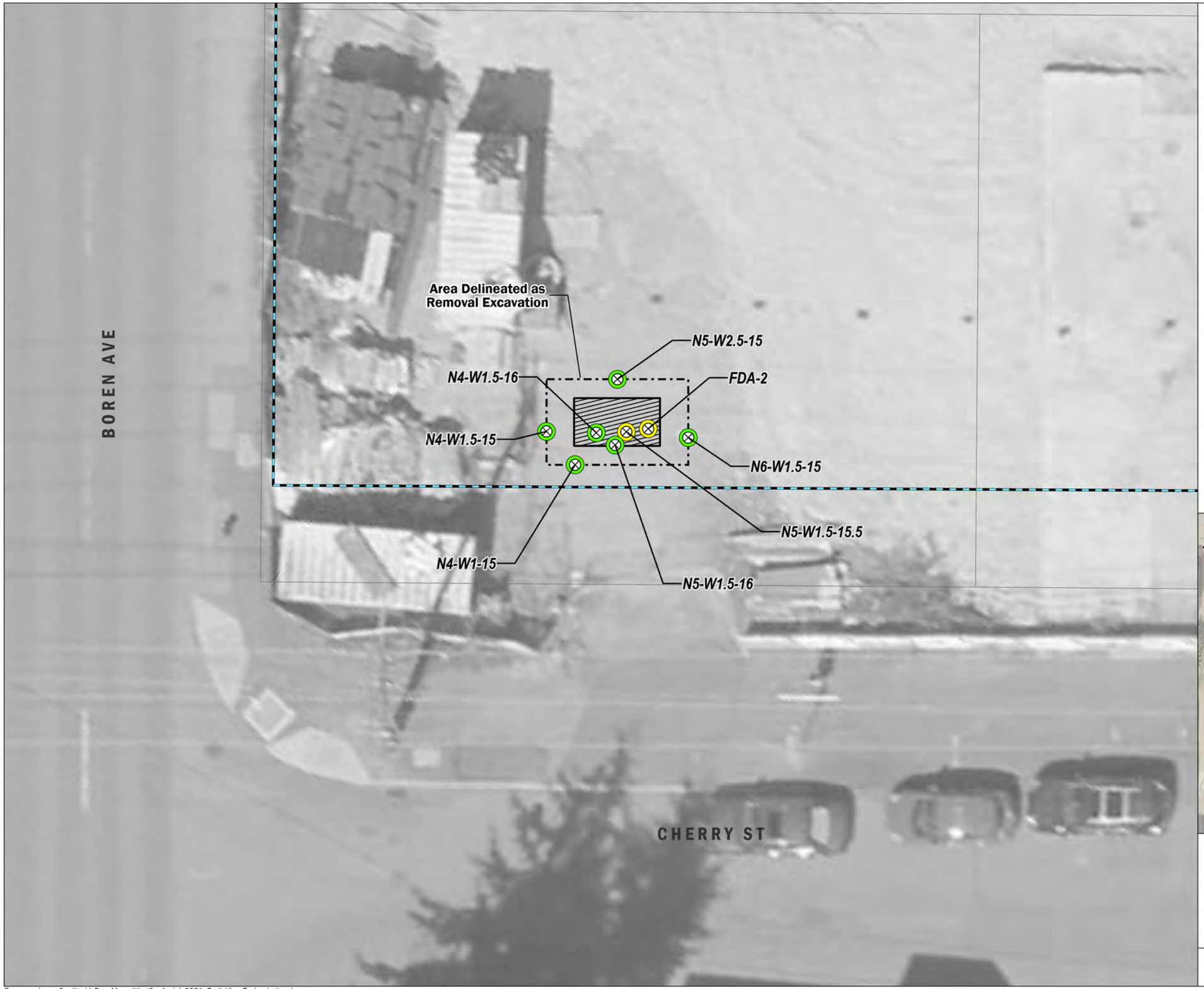
0 15 30
Feet

Remedial Excavation Confirmation Base Samples

Remedial Action Report - Block 95
Swedish First Hill Redevelopment
Seattle, Washington

Aspect CONSULTING	FEB-2026	BY: ACO / NLK	FIGURE NO.
	PROJECT NO. AS200482	REVISED BY: ACO / MMP	5

GIS Path: G:\projects\Swedish\Hill_200448\Deliverables\RAR\B95\Swedish95RAR.aprx || Coordinate System: NAD 1983 StatePlane Washington North FIPS 4601 Feet || Date Saved: 2/25/2026 || User: Madeline.Perry || Print Date: 2/25/2026



TPH were detected in soil at a concentration less than the MTCA Method A cleanup levels.

TPH were not detected.

Soil Boring (completed by Aspect, 2022)

Excavation Area

Extent of Mass Excavation to 50 feet Below Former Ground Surface

Underground Storage Tank (UST) Discovered and Removed

King County Tax Parcel

Notes:
- *See Table 4 for detailed results.*
- *Aerial image sourced from Google Earth Pro, 2021.*
- *Site features are approximate.*

0 10 20
Feet

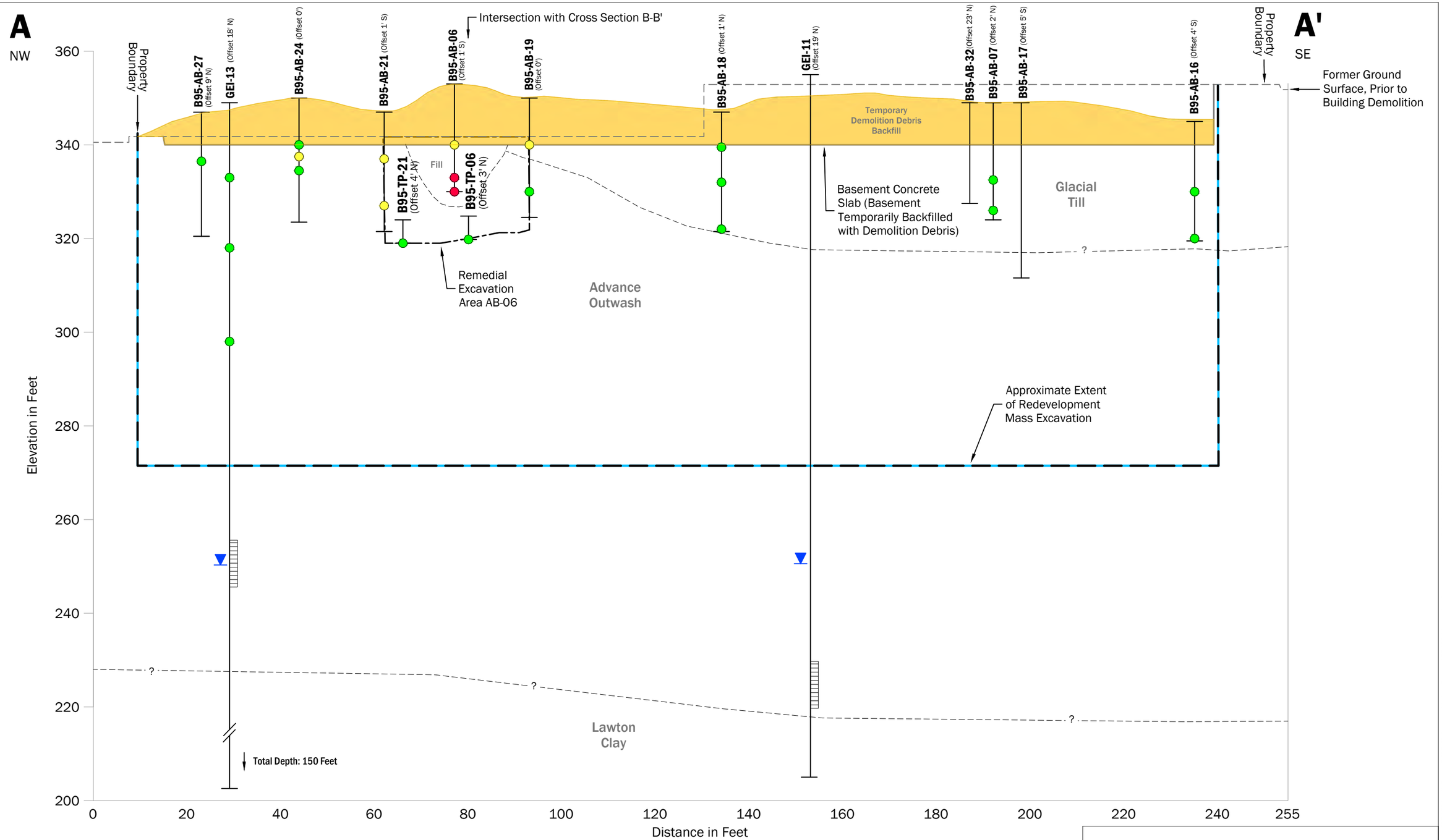
UST Removal Confirmation Samples

Remedial Action Report - Block 95
Swedish First Hill Redevelopment
Seattle, Washington

Aspect CONSULTING	FEB-2026	BY: ACO / NLK	FIGURE NO.
	PROJECT NO. AS200482	REVISED BY: ACO / MMP	6

Basemap Layer Credits || BaseMaps/KingCo_Aerial_2021: EagleView Technologies, Inc.

GIS Path: G:\projects\Swedish\FirstHill_2004482\Deliverables\RAR\B95\Swedish95RAR.aprx || Coordinate System: NAD 1983 StatePlane Washington North FIPS 4601 Feet || Date Saved: 2/25/2026 || User: Madeline Perry || Print Date: 2/25/2026



AMW-03 — Boring Identification

Analytical Sample Location

Water Level

Screened Interval

Soil Analytical Results

- TPH, Arsenic, and/or cPAHs detected above the MTCA Method A cleanup
- TPH, Arsenic, and/or cPAHs detected below the MTCA Method A cleanup
- Analytes not detected and/or detected below background metals levels

Refer to Analytical Data tables and laboratory reports for results.

Estimated Geologic Contact

Water Level

Notes:
1. Elevations of structures are approximate.
2. Positions of explorations are approximate.

Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 20'
No Vertical Exaggeration

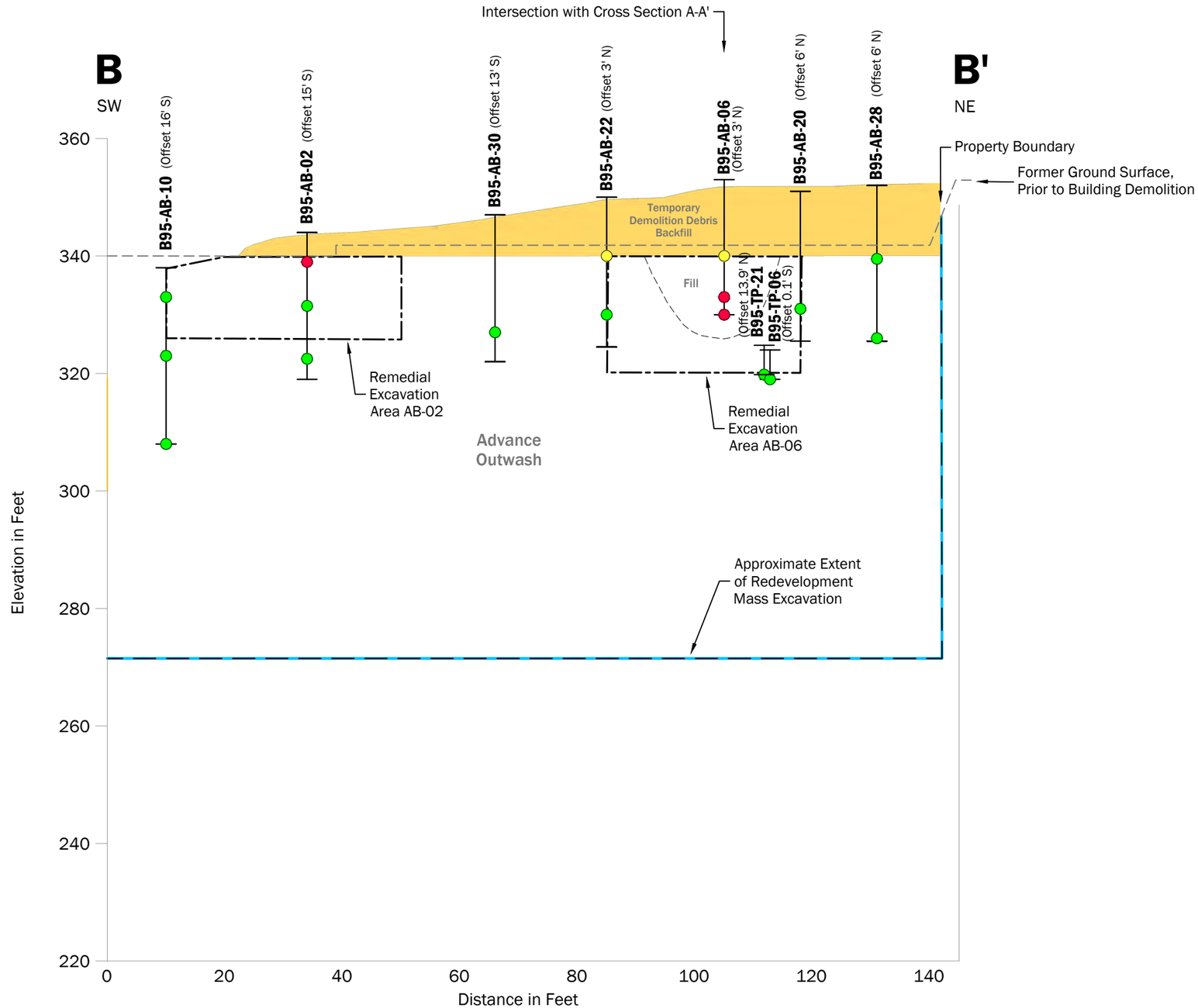
0 20 40 Feet

Cross Section A-A'

Remedial Action Report - Block 95
Swedish First Hill Redevelopment
Seattle, Washington

Aspect CONSULTING	Oct-2024	BY: MLK/SCC	FIGURE NO.
	PROJECT NO. 200482	REVISED BY: SCC	7

CAD Path: Q:\Swedish First Hill Redevelopment\200482 North Tower\2023-09 Remedial Action Report\200482-AA Updated Elevations.dwg || Date Saved: 10/21/2024 3:29:01 PM || User: jacqueline.reinhardt



AMW-03 — Boring Identification

Analytical Sample Location

Soil Analytical Results

- TPH, Arsenic, and/or cPAHs detected above the MTCA Method A cleanup
- TPH, Arsenic, and/or cPAHs detected below the MTCA Method A cleanup
- Analytes not detected and/or detected below background metals levels

Refer to Analytical Data tables and laboratory reports for results.

Estimated Geologic Contact

Notes:
1. Elevations of structures are approximate.
2. Positions of explorations are approximate.

Horizontal Scale: 1" = 20'
Vertical Scale: 1" = 20'
No Vertical Exaggeration

0 20 40 Feet

Cross Section B-B'

Remedial Action Report - Block 95
Swedish First Hill Redevelopment
Seattle, Washington

Aspect CONSULTING

Oct-2024	BY: MLK/SCC	FIGURE NO.
PROJECT NO. 200482	REVISED BY: ALC/SCC	8

CAD Path: Q:\Swedish First Hill Redevelopment\200482 North Tower\2023-09 Remedial Action Report\200482-BB.dwg 08 Cross Section B-B' || Date Saved: Oct 21, 2024 3:39pm || User: Jacqueline.Reinhardt

APPENDIX A

Boring Logs and Well Decommissioning Logs

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, N edge of alley	47.6080, -122.3231 (est)	**B95-AB-01**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Geoprobe 8250 LS	Rotary core	345' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Aaron Bradley	Sonic	4/29/2021	NA	

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
					PID=0.4 Sheen=None		**DEMOLITION DEBRIS FILL** SANDY SILT WITH GRAVEL (ML); slightly moist, dark brown to red brown; low plasticity fines; fine to coarse sand; fine, subangular to subrounded gravel; no petroleum-like odor.	
5	340	Boring backfilled with 3/8" hydrated bentonite chips.			PID=0.5 Sheen=None		**CONCRETE SLAB** CONCRETE; Approximately 10-inches thick.	5
							FILL SILTY SAND WITH GRAVEL (SM); slightly moist, gray; fine to coarse sand; fine, subrounded gravel; interbeds of oxide staining; no petroleum-like odor.	
				B95-AB-01-8.5	PID=2.2 Sheen=None		**ADVANCE OUTWASH** SAND WITH SILT (SW-SM); moist, gray brown; fine to coarse sand; trace fine, subrounded gravel; no petroleum-like odor.	
10	335				PID=2.4 Sheen=None			10
				B95-AB-01-11	PID=2.8 Sheen=None		Becomes more sandy with no gravel.	
				B95-AB-01-14.5	PID=1.9 Sheen=None		SAND (SW); moist, gray brown; fine to medium sand; trace silt; no petroleum-like odor.	
15	330							15
					PID=1.0 Sheen=None			
20	325	4/29/2021			PID=0.9 Sheen=None			20
					PID=13.9 Sheen=None		SILTY SAND (SM); very moist, gray; fine to coarse sand; trace fine, subrounded gravel; slight petroleum-like odor.	
25	320						Bottom of exploration at 25 ft. bgs.	25
30	315							30

Legend

Sample Type: Continuous core 7" ID

Water Level: Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: RAC
Approved by: ALC; 9/8/23

Exploration Log B95-AB-01

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, N edge of alley	47.6079, -122.3230 (est)	**B95-AB-02**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Geoprobe 8250 LS	Rotary core	344' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Aaron Bradley	Sonic	4/29/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
					PID=0.7 Sheen=None		**DEMOLITION DEBRIS FILL** SILTY SAND (SM); moist, red brown; fine to medium sand; trace fine, subrounded to subangular gravel; no petroleum-like odor; interbeds of oxide-stained, gray, medium plasticity fines.	
	340						**CONCRETE SLAB** CONCRETE; Approximately 10-inches thick.	
5		Boring backfilled with 3/8" hydrated bentonite chips.		B95-AB-02-5	PID=0.4 Sheen=None		**FILL** GRAVEL WITH SILT (GP-GM); slightly moist, dark gray to black; seam of charcoal.	5
					PID=0.2 Sheen=None		**ADVANCE OUTWASH** SILTY SAND (SM); moist, red brown; fine to medium sand; trace fine, subrounded to subangular gravel; no petroleum-like odor; interbeds of oxide stained, gray, medium-plasticity fines.	
	335							
10					PID=0.8 Sheen=None		Becomes gray brown.	10
				B95-AB-02-12.5	PID=2.6 Sheen=None			
	330							
15					PID=0.7 Sheen=None		Becomes very moist.	15
					PID=0.4 Sheen=None		Becomes with more fines and red brown.	
	325						SANDY SILT WITH GRAVEL (ML); slightly moist, gray; low-plasticity fines.	
20								20
				B95-AB-02-21.5	PID=3.7 Sheen=None		SILTY SAND (SM); moist, brown to red brown; fine to medium sand; trace fine, subrounded gravel; no petroleum-like odor.	
	320							
25							Bottom of exploration at 25 ft. bgs.	25
	315							
30								30

Legend

Sample Type: Continuous core 7" ID

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: RAC
Approved by: ALC; 9/8/23

Exploration Log B95-AB-02

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates	Exploration Number
1101 Columbia Street, Seattle, WA 98101, S edge of alley	NA	**B95-AB-03**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Geoprobe 8250 LS	Rotary core	343' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Aaron Bradley	Sonic	4/29/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							DEMOLITION DEBRIS FILL SAND WITH SILT AND GRAVEL (SW-SM); slightly moist, gray; fine to medium sand; fine to coarse, subrounded to subangular gravel; no petroleum-like odor.	
	340				PID=1.2 Sheen=None		**CONCRETE SLAB** CONCRETE; Approximately 10-inches thick.	
							FILL GRAVEL WITH SILT (GW-GM); slightly moist, gray brown; fine to coarse, subrounded gravel; no petroleum-like odor; interbeds of oxide staining.	
5		Boring backfilled with 3/8" hydrated bentonite chips.			PID=1.6 Sheen=None			5
				B95-AB-03-7	PID=4.3 Sheen=None			
	335						**GLACIAL TILL** SILTY SAND WITH GRAVEL (SM); moist, brown; fine to medium sand; fine to coarse, subangular to subrounded gravel; slight petroleum like odor.	
10					PID=5.1 Sheen=None		Slight petroleum-like odor.	10
	330				PID=3.4 Sheen=None		Oxide staining; no petroleum-like odor	
15				B95-AB-03-10	PID=1.8 Sheen=None			15
	325				PID=1.2 Sheen=None			
20					PID=1.0 Sheen=None		SAND WITH SILT (SP-SM); gray brown; fine to medium sand.	20
	320			B95-AB-03-22.5	PID=1.5 Sheen=None			
25					PID=0.7 Sheen=None		Bottom of exploration at 25 ft. bgs.	25
	315							
30								30

Legend

Sample Type: Continuous core 7" ID

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: RAC
Approved by: ALC; 9/8/23

Exploration Log B95-AB-03

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, S edge of alley	47.6077, -122.3228 (est)	**B95-AB-04**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Geoprobe 8250 LS	Rotary core	342' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Aaron Bradley	Sonic	4/28/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
	340	Boring backfilled with 3/8" hydrated bentonite chips.		B95-AB-04-2	PID=2.4 Sheen=None		**DEMOLITION DEBRIS FILL** GRAVEL WITH SAND (GW); slightly moist, gray; fine gravel; fine to medium sand; no petroleum-like odor.	
							SAND WITH SILT AND GRAVEL (SW-SM); moist, brown; medium sand; fine to coarse gravel; no petroleum-like odor.	
							CONCRETE SLAB CONCRETE; Approximately 10-inches thick.	
5					PID=0.4 Sheen=None		**FILL** GRAVEL WITH SILT (GW-GM); moist, gray brown; fine gravel; no petroleum-like odor.	5
	335				PID=0.0 Sheen=None			
					PID=0.0 Sheen=None		**GLACIAL TILL** SILTY SAND (SM); moist, brown; medium sand; trace coarse gravel, no petroleum-like odor. Hot drilling 10-20 ft bgs.	
10								10
	330			B95-AB-04-12.5	PID=0.5 Sheen=None			
					PID=0.4 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, brown; medium to coarse sand; fine to coarse gravel; no petroleum-like odor.	
15								15
					PID=0.2 Sheen=None			
	325						**ADVANCE OUTWASH** SILTY GRAVEL (GM); slightly moist, light gray; fine gravel, appears very loose; no petroleum-like odor.	
					PID=0.6 Sheen=None			
20							Hot drilling 20-25 ft bgs, poor recovery.	20
					PID=3.2 Sheen=None			
	320			B95-AB-04-22.5	PID=0.2 Sheen=None			
25							Bottom of exploration at 25 ft. bgs.	25
	315							
30								30
	310							

Legend

Sample Type: Continuous core 7" ID

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: BBC
Approved by: ALC; 9/8/23

Exploration Log B95-AB-04

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, W corner, in center of Mortensen parking area	47.6079, -122.3234 (est)	**B95-AB-05**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Geoprobe 8250 LS	Rotary core	328' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Aaron Bradley	Sonic	4/28/2021	NA	22.5' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							CONCRETE; Concrete slab.	
	325						DEBRIS OR REFUSE; Concrete, rock, and cobbles, no soil.	
5		Boring backfilled with 3/8" hydrated bentonite chips.					**FILL** SAND WITH SILT AND GRAVEL (SP-SM); moist, light brown; fine to coarse sand; fine gravel; no petroleum-like odor.	5
							Hot drilling 5-10 ft bgs.	
				B95-AB-05-7	PID=6.6 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, light gray; fine to medium sand; fine gravel; trace cobbles; no petroleum-like odor.	
	320							
10					PID=3.4 Sheen=None		**RECESSIONAL OUTWASH** SAND WITH SILT AND GRAVEL (SP-SM); very moist, dark brown; medium sand; fine gravel; no petroleum-like odor.	10
					PID=5.0 Sheen=None			
	315						SILTY SAND (SM); very moist, dark brown; trace fine gravel; no petroleum-like odor.	
				B95-AB-05-14	PID=10.3 Sheen=None		SAND WITH SILT (SW-SM); very moist, dark brown; no petroleum-like odor.	
15					PID=5.6 Sheen=None			15
	310				PID=5.4 Sheen=None			
20					PID=7.2 Sheen=None			20
		4/28/2021		B95-AB-05-22	PID=1.6 Sheen=None		SAND WITH SILT AND GRAVEL (SW-SM); wet, dark brown; coarse sand; fine to medium gravel; no petroleum-like odor.	
	305							
25					PID=1.0 Sheen=None		Bottom of exploration at 25 ft. bgs.	25
	300							
30								30

Legend

Sample Type: Continuous core 7" ID

Water Level: Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: BBC
Approved by: ALC; 9/8/23

Exploration Log B95-AB-05

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, N corner	47.6080, -122.3228 (est)	**B95-AB-06**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Geoprobe 8250 LS	Rotary core	353' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Aaron Bradley	Sonic	4/29/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							DEMOLITION DEBRIS FILL SAND WITH SILT AND GRAVEL (SP-SM); slightly moist, gray to brown; fine to coarse sand; low plasticity fines; fine to coarse, subangular to subrounded gravel; mixed rubble with concrete and bricks; very slight petroleum-like odor.	
	350				PID=0.3 Sheen=None			
5		Boring backfilled with 3/8" hydrated bentonite chips.		B95-AB-06-6.5	PID=2.3 Sheen=None			5
	345							
10					PID=0.4 Sheen=None		GRAVEL WITH SILT (GP-GM); slightly moist, dark gray; fine to coarse, subangular to subrounded gravel; fine to coarse sand; concrete and brick debris.	10
	340				PID=1.3 Sheen=None		**CONCRETE SLAB** CONCRETE; Approximately 10 inches.	
15					PID=0.7 Sheen=None		**FILL** SAND WITH GRAVEL (SW); very moist, brown; fine to coarse sand; trace low plasticity fines; fine to coarse, subangular to subrounded gravel; no petroleum-like odor	15
	335				PID=0.8 Sheen=None		SAND WITH SILT AND GRAVEL (SP-SM); moist, gray; fine to coarse sand; low plasticity fines; fine to coarse, subangular to subrounded gravel; seam of mixed rubble with concrete and bricks; very slight petroleum-like odor	
20					PID=1.6 Sheen=None		SAND WITH GRAVEL (SW); very moist, brown; fine to coarse sand; trace low plasticity fines; fine to coarse, subangular to subrounded gravel; no petroleum-like odor	20
				B95-AB-06-20				
	330			B95-AB-06-23	PID=2.3 Sheen=None		Bottom of exploration at 23 ft. bgs.	
25								25
	325							
30								30

Legend

Sample Type: Continuous core 4" ID

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: RAC
Approved by: ALC; 9/8/23

Exploration Log B95-AB-06

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, E edge of site	47.6078, -122.3225 (est)	**B95-AB-07**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Geoprobe 8250 LS	Rotary core	349' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Aaron Bradley	Sonic	4/29/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Boring capped with soil.					**DEMOLITION DEBRIS FILL** SAND WITH SILT AND GRAVEL (SP-SM); light brown to gray; fine to coarse, subangular sand; low plasticity fines; fine to coarse, subangular to subrounded gravel; mixed rubble with concrete and brick; no petroleum-like odor.	
	345			B95-AB-07-4	PID=2.1 Sheen=None			
5		Boring backfilled with 3/8" hydrated bentonite chips						5
	340						**CONCRETE SLAB** CONCRETE; Approximately 10-inches thick.	
10					PID=1.4 Sheen=None		**FILL** SILTY SAND WITH GRAVEL (SM); brown; fine to coarse, subangular sand; fine to coarse, subangular to subrounded gravel; no petroleum-like odor.	10
					PID=1.5 Sheen=None		Increase in fines content.	
	335							
15								15
				B95-AB-07-16.5	PID=2.1 Sheen=None		**GLACIAL TILL** SANDY SILT (ML); moist, brown; low plasticity fines; fine to coarse, subangular sand; no petroleum-like odor.	
	330				PID=1.4 Sheen=None		Becomes very moist.	
20								20
				B95-AB-07-23	PID=1.2 Sheen=None			
	325							
25							Bottom of exploration at 25 ft. bgs.	25
	320							
30								30

Legend

Sample Type: Continuous core 7" ID

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: RAC
Approved by: ALC; 9/8/23

Exploration Log B95-AB-07

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, S corner of site	47.6075, -122.3230 (est)	**B95-AB-08**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Geoprobe 8250 LS	Rotary core	333' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Aaron Bradley	Sonic	4/28/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
					PID=0.5 Sheen=None		**DEMOLITION DEBRIS FILL** DEBRIS OR REFUSE; concrete demolition debris;sand and silt present; no petroleum-like odor.	
	330				PID=2.7 Sheen=None PID=0.4 Sheen=None		**FILL** SILTY SAND (SM); appears loose, moist, black; fine to medium sand; trace coarse gravel; root debris. Becomes brown with trace fine gravel.	
5		Boring backfilled with 3/8" hydrated bentonite chips.					Becomes very moist; interbeds of sandy silt.	5
				B95-AB-08-6.5	PID=21.3 Sheen=None		**RECESSIONAL OUTWASH** SILTY SAND WITH GRAVEL (SM); moist, brown; fine sand; fine to coarse gravel; no petroleum-like odor.	
	325			B95-AB-08-9	PID=12.6 Sheen=None		Hot drilling from 5-10 bgs.	
10								10
	320				PID=8.0 Sheen=None		Becomes very moist.	
15					PID=4.6 Sheen=None			15
					PID=0.0 Sheen=None		SAND WITH SILT (SW-SM); moist, brown; medium sand; no petroleum-like odor.	
	315			B95-AB-08-18	PID=0.3 Sheen=None			
20								20
	310			B95-AB-08-22.5	PID=0.0 Sheen=None PID=0.4 Sheen=None			
25							Bottom of exploration at 25 ft. bgs.	25
	305							
30								30

Legend

Sample Type: Continuous core 7" ID

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: BBC
Approved by: ALC; 9/8/23

Exploration Log B95-AB-08

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, E corner of site, 20 ft W of planned location	47.6077, -122.3224 (est)	**B95-AB-09-1**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Geoprobe 8250 LS	Rotary core	346' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Aaron Bradley	Sonic	4/29/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
	345	Boring backfilled with 3/8" hydrated bentonite chips			PID=0.3 Sheen=None		**DEMOLITION DEBRIS FILL** GRAVEL WITH SILT AND SAND (GP-GM); slightly moist, light gray; fine to coarse subrounded to subangular gravel; low plasticity fines; fine to medium sand	
5	340			B95-AB-09-4.5-1	PID=0.4 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, dark brown; fine to coarse, subangular sand; low plasticity fines; fine to coarse, subrounded to subangular gravel; no petroleum-like odor	5
							Bottom of exploration at 7 ft. bgs.	
							Note: Refusal on concrete slab	
10	335							10
15	330							15
20	325							20
25	320							25
30	315							30

Legend

Sample Type: Continuous core 7" ID

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: RAC
Approved by: ALC; 9/8/23

Exploration Log B95-AB-09-1

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING	Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
	1101 Columbia Street, Seattle, WA 98101, E corner of site, 20 ft NW of planned location	47.6077, -122.3224 (est)	**B95-AB-09-2**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Geoprobe 8250 LS	Rotary core	347' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Aaron Bradley	Sonic	4/29/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
	345	Boring backfilled with 3/8" hydrated bentonite chips.					**DEMOLITION DEBRIS FILL** SAND WITH SILT AND GRAVEL (SP-SM); slightly moist, light gray; fine to medium sand; fine to coarse subrounded to subangular gravel.	
5				B95-AB-09-4.5-2	PID=0.2 Sheen=None			5
							Red brick dust mixed in	
	340				PID=0.1 Sheen=None		Bottom of exploration at 7 ft. bgs.	
							Note: Refusal on concrete slab	
10	335							10
15	330							15
20	325							20
25	320							25
30	315							30

Legend

Sample Type: Continuous core 7" ID

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: RAC
Approved by: ALC; 9/8/23

Exploration Log B95-AB-09-2

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates	Exploration Number
1101 Columbia Street, Seattle, WA 98101, N central area of site	NA	**B95-AB-10**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Hollow Stem Auger	Split spoon	338' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
James Goble	6" OD X 2.25" ID HSA	8/30/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							ASPHALT; asphalt.	
							FILL SANDY SILT (ML); medium dense, moist, brown; medium sand; medium to low plasticity fines.	
	335				SPT=10, 5, 6 PID=0 Sheen=No sheen			
5		Boring backfilled with 3/8" hydrated bentonite chips.		B95-AB-10-5	SPT=5, 6, 10 PID=0.1 Sheen=No sheen		SILTY SAND (SM); medium dense, moist, light brown; fine to coarse sand; low plasticity fines.	5
	330				SPT=11, 18, 17 PID=0.3 Sheen=No sheen		**ADVANCE OUTWASH** SILTY SAND (SM); Becomes very dense.	
10					SPT=10, 12, 12 PID=0.5 Sheen=No sheen			10
	325							
15				B95-AB-10-15	SPT=17, 19, 29 PID=0.4 Sheen=No sheen		Coarse gravel at bottom of sampler; sub-angular gravel.	15
	320							
20					SPT=15, 16, 17 PID=0.2 Sheen=No sheen		Becomes dense, moist, brown; fine to coarse sand; low plasticity fines.	20
	315							
25					SPT=27, 50/6" PID=0.6 Sheen=No sheen		Becomes very dense.	25
	310							
30				B95-AB-10-30	SPT=23, 50/6" PID=0.1 Sheen=No sheen			30
							Bottom of exploration at 31 ft. bgs.	
							Note: No petroleum-like odor detected.	

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: SEA
Approved by: ALC; 9/8/23

Exploration Log B95-AB-10

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, W end of ally	47.6078, -122.3227 (est)	**B95-AB-11**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Hollow Stem Auger	Split spoon	349' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
James Goble	6" OD X 2.25" ID HSA	8/26/2021	NA	25' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							GRAVEL (GP); concrete debris, gravel.	
							DEMOLITION DEBRIS FILL SAND WITH SILT AND GRAVEL (SP-SM); very dense, slightly moist, brown; medium to coarse sand; fine to medium, subangular to subrounded gravel; no petroleum-like odor.	
					SPT=50/6" PID=0.5 Sheen=None			
	345							
5		Boring backfilled with 3/8" hydrated bentonite chips.		B95-AB-11-5	SPT=50/6" PID=0.5 Sheen=None			5
					SPT=37, 50/6" PID=0.9 Sheen=None		Becomes moist.	
	340							
							CONCRETE SLAB CONCRETE; Approximately 10-inches thick.	
10					SPT=50/6" PID=0 Sheen=None		**GLACIAL TILL** SAND WITH SILT AND GRAVEL (SP-SM); very dense, slightly moist; medium to coarse sand; fine to medium, subangular to subrounded gravel; no petroleum-like odor.	10
	335							
15				B95-AB-11-15	SPT=50/6" PID=0 Sheen=None			15
	330							
20					SPT=50/6" PID=0 Sheen=None		SANDY SILT WITH GRAVEL (ML); very dense, moist, brown; fine to medium sand; fine to coarse, subangular to subrounded gravel; no petroleum-like odor.	20
	325							
25		∇ 8/26/2021		B95-AB-11-25	SPT=37, 50/6" PID=0 Sheen=None		SAND WITH SILT (SP-SM); dense, wet, brown; medium to fine sand; no petroleum-like odor.	25
							Bottom of exploration at 26 ft. bgs.	
							Note: No petroleum-like odor detected.	
	320							
30								30

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: ∇ Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: AWP
Approved by: ALC; 9/8/23

Exploration Log B95-AB-11

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, S end of site	47.6075, -122.3232 (est)	**B95-AB-12**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Hollow Stem Auger	Split spoon	331' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
James Goble	6" OD X 2.25" ID HSA	8/27/2021	NA	10' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							GRAVEL (GP); concrete debris, gravel.	
							FILL SAND WITH SILT AND GRAVEL (SP-SM); medium dense, moist, brown; medium to coarse sand; fine to coarse gravel; no petroleum-like odor.	
	330				SPT=13, 9, 7 PID=0.1 Sheen=Slight sheen			
5		Boring backfilled with 3/8" hydrated bentonite chips.			SPT=12, 21, 20 PID=0.8 Sheen=Slight sheen		Becomes dense, brown to dark brown; fine to medium sand; fine to medium gravel; brick material at the bottom of sampler.	5
	325							
				B95-AB-12-7.5	SPT=50/6" PID=0.8 Sheen=None		**RECESSIONAL OUTWASH** SAND WITH GRAVEL (SP); very dense, moist, brown; medium to coarse sand; medium to coarse gravel; no petroleum-like odor.	
10		8/27/2021			SPT=20, 21, 21 PID=0 Sheen=Slight sheen		Becomes wet.	10
	320							
15					SPT=12, 15 ,42 PID=0 Sheen=Slight sheen		SAND WITH SILT AND GRAVEL (SP-SM); very dense, moist, medium brown; fine to medium sand; trace medium gravel; no petroleum-like odor.	15
	315			B95-AB-12-15			SAND (SP); very dense, moist, medium brown; medium to coarse sand.	
20					SPT=17, 24, 23 PID=0 Sheen=Slight sheen			20
	310							
25					SPT=17, 50/6" PID=0 Sheen=Slight sheen			25
	305							
30					SPT=22, 30, 31 PID=0 Sheen=None		Trace fine gravel.	30
	300			B95-AB-12-30				
							Bottom of exploration at 31.5 ft. bgs.	
							Note: No petroleum-like odor detected.	

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: AWP
Approved by: ALC; 9/8/23

Exploration Log B95-AB-12

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, S end of site	47.6075, -122.3229 (est)	**B95-AB-13**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Hollow Stem Auger	Split spoon	333' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
James Goble	6" OD X 2.25" ID HSA	8/27/2021	NA	20' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							CONCRETE; concrete.	
	330				SPT=3, 2, 3 PID=0 Sheen=Slight sheen		**FILL** SAND WITH SILT AND GRAVEL (SP-SM); loose, moist, brown; fine sand; medium to coarse gravel.	
5		Boring backfilled with 3/8" hydrated bentonite chips.			SPT=18, 21, 26 PID=0 Sheen=Slight sheen		GRAVELLY SILT WITH SAND (ML); dense, slightly moist, dark brown; fine sand; fine to medium gravel. Becomes red-brown with increased gravel content.	5
	325			B95-AB-13-7.5	SPT=50/6" PID=0 Sheen=Slight sheen		Becomes dark brown. Becomes red-brown, with increased gravel content.	
10				B95-AB-13-10	SPT=50/6" PID=0.4 Sheen=Slight sheen		**RECESSIONAL OUTWASH** SAND WITH SILT AND GRAVEL (SP-SM); very dense, moist, brown; medium to coarse sand; fine to coarse gravel.	10
	320							
15					SPT=34, 50/6" PID=0 Sheen=None		Becomes with less gravel and increased fines content.	15
	315							
20		∇ 8/27/2021		B95-AB-13-20	SPT=50/6" PID=0 Sheen=None		Becomes wet.	20
	310							
25					SPT=38, 50/6" PID=0 Sheen=None		SAND WITH SILT (SP-SM); very dense, wet, brown; fine to coarse sand.	25
							Bottom of exploration at 26 ft. bgs. Note: No petroleum-like odor detected.	
	305							
30								30

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: ∇ Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: AWP
Approved by: ALC; 9/8/23

Exploration Log B95-AB-13

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, S end of site	47.6076, -122.3230 (est)	**B95-AB-14**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Hollow Stem Auger	Split spoon	327' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
James Goble	6" OD X 2.25" ID HSA	8/27/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							GRAVEL (GP); concrete debris, gravel.	
							FILL SAND (SP); medium dense, wet, brown; medium to coarse sand.	
	325				SPT=12, 5, 7 PID=0 Sheen=No sheen		SILTY SAND (SM); medium dense, brown; fine sand.	
5		Boring backfilled with 3/8" hydrated bentonite chips.			SPT=5, 7, 7 PID=0 Sheen=No sheen		**ADVANCE OUTWASH** SAND WITH SILT AND GRAVEL (SP-SM); medium dense, wet, brown; fine to medium sand. Coarsens at 5.75 ft; medium to coarse sand.	5
	320			B95-AB-14-7.5	SPT=5, 6, 5 PID=0 Sheen=No sheen		Fines; fine to medium sand.	
10					SPT=10, 17, 18 PID=0 Sheen=No sheen		SAND WITH GRAVEL (SP); dense, wet, dark brown; medium to coarse sand; medium and trace fine gravel.	10
	315						SAND WITH SILT AND GRAVEL (SP-SM); dense, wet, dark brown; fine to medium sand; trace medium to coarse gravel.	
15				B95-AB-14-15	SPT=30, 50/6" PID=0 Sheen=No sheen		SAND WITH SILT (SP-SM); very dense, wet, dark brown; fine to medium sand.	15
	310							
20					SPT=25, 29, 31 PID=0 Sheen=Slight sheen			20
	305							
25					SPT=27, 50/6" PID=0 Sheen=Slight sheen			25
	300							
30					SPT=32, 50/6" PID=0 Sheen=Slight sheen			30
	295							

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: AWP
Approved by: ALC; 9/8/23

Exploration Log B95-AB-14

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, S end of site	47.6076, -122.3230 (est)	**B95-AB-14**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Hollow Stem Auger	Split spoon	327' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
James Goble	6" OD X 2.25" ID HSA	8/27/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							SAND WITH SILT (SP-SM); very dense, wet, dark brown; fine to medium sand. (continued)	
35								35
	290			B95-AB-14-35	SPT=21, 21, 22 PID=0 Sheen=Slight sheen			
40								40
					SPT=50/6" PID=0.5 Sheen=Slight sheen		SAND WITH SILT AND GRAVEL (SP-SM); very dense, wet, dark brown; medium to coarse sand; fine to coarse gravel.	
	285							
45					SPT=50/6" PID=0 Sheen=Slight sheen			45
	280						Bottom of exploration at 45.6 ft. bgs. Note: No petroleum-like odor detected.	
50								50
	275							
55								55
	270							
60								60
	265							
65								65

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: AWP
Approved by: ALC; 9/8/23

Exploration Log B95-AB-14

Sheet 2 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, SE end of site	47.6076, -122.3229 (est)	**B95-AB-15**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Hollow Stem Auger	Split spoon	327' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
James Goble	6" OD X 2.25" ID HSA	8/26/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							CONCRETE; concrete.	
							FILL SAND WITH SILT AND GRAVEL (SP-SM); dense, slightly moist, brown; fine to medium sand; fine to medium gravel.	
	325				SPT=6, 12, 18 PID=0.5 Sheen=None			
5		Boring backfilled with 3/8" hydrated bentonite chips.			SPT=11, 15, 15 PID=0.2 Sheen=None		SAND WITH SILT (SP-SM); dense, moist, brown; fine sand.	5
	320			B95-AB-15-7.5	SPT=12, 16, 18 PID=0 Sheen=None		SAND (SP); dense, moist to wet, brown; fine to coarse sand; trace fine gravel.	
10					SPT=21, 29, 25 PID=0 Sheen=None		SAND WITH GRAVEL (SP); very dense, moist, brown; fine to coarse sand; fine to coarse gravel.	10
	315							
15				B95-AB-15-15	SPT=23, 50/6" PID=0 Sheen=None		**RECESSIONAL OUTWASH** SAND WITH SILT AND GRAVEL (SP-SM); very dense, moist, brown; fine to medium sand; medium to coarse gravel.	15
	310							
20				B95-AB-15-20	SPT=19, 32, 38 PID=0 Sheen=None			20
	305						Bottom of exploration at 21.5 ft. bgs. Note: No petroleum-like odor detected.	
25								25
	300							
30								30
	295							

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: AWP
Approved by: ALC; 9/8/23

Exploration Log B95-AB-15

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, E end of site	47.6077, -122.3224 (est)	**B95-AB-16**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually operated 300# hammer	345' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
James Goble	8.5" OD X 4.25" ID Hollow-Stem Auger	8/26/2021	NA	20' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							GRAVEL (GP); concrete debris, gravel.	
							DEMOLITION DEBRIS FILL SAND WITH SILT AND GRAVEL (SP-SM); dense, moist, brown; fine to coarse sand; fine to medium gravel.	
				B95-AB-16-2.5	Blows (non-SPT)=13, 18, 19 PID=0 Sheen=None			
5	340	Boring backfilled with 3/8" hydrated bentonite chips			Blows (non-SPT)=33, 50/6" PID=0 Sheen=None			5
					Blows (non-SPT)=50/6" PID=0 Sheen=None			
							CONCRETE SLAB CONCRETE; Approximately 10-inches thick.	
10	335				Blows (non-SPT)=32, 50/6" PID=0 Sheen=None		**GLACIAL TILL** SANDY SILT WITH GRAVEL (ML); very dense, moist, red-brown; fine to medium sand; fine to medium gravel.	10
15	330			B95-AB-16-15	Blows (non-SPT)=50/6" PID=0 Sheen=None			15
20	325	∇ 8/26/2021			Blows (non-SPT)=50/6" PID=0 Sheen=None		**ADVANCE OUTWASH** SAND WITH SILT AND GRAVEL (SP-SM); very dense, wet, gray; fine to medium sand; fine to medium gravel.	20
25	320			B95-AB-16-25	Blows (non-SPT)=50/6" PID=0 Sheen=No sheen		SAND (SP); very dense, wet, brown; fine to medium sand.	25
							Bottom of exploration at 25.5 ft. bgs.	
							Note: No petroleum-like odor detected.	
30	315							30

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: ∇ Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: AWP
Approved by: ALC; 9/8/23

Exploration Log B95-AB-16

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, E end of site	47.6078, -122.3226 (est)	**B95-AB-17**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually operated 300# hammer	349' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
James Goble	8.5" OD X 4.25" ID	8/26/2021	NA	15' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							GRAVEL (GP); concrete debris, gravel	
							DEMOLITION DEBRIS FILL SAND WITH SILT AND GRAVEL (SP-SM); medium dense, slightly moist, brown; medium sand; medium to coarse gravel.	
					SPT=12, 13, 12 PID=0.3 Sheen=None			
	345							
5		Boring backfilled with 3/8" hydrated bentonite chips			SPT=12, 10, 11 PID=0 Sheen=None			5
					SPT=15, 16, 15 PID=0 Sheen=None		Becomes dense, becomes medium to coarse sand; medium to coarse sand.	
	340						**CONCRETE SLAB** CONCRETE; Approximately 10-inches thick.	
10					SPT=17, 19, 21 PID=0 Sheen=None		**FILL** SAND WITH GRAVEL (SP); medium dense, wet, brown; medium to coarse sand; fine to medium gravel.	10
	335							
15		∇ 8/26/2021 Perched			SPT=10, 13, 20 PID=0 Sheen=None			15
	330							
20					SPT=34, 50/4" PID=0 Sheen=None		**GLACIAL TILL** SANDY SILT WITH GRAVEL (ML); very dense, moist, brown; medium to coarse sand; fine to medium gravel.	20
	325							
25					SPT=50/6" PID=0 Sheen=None		SAND WITH SILT AND GRAVEL (SP-SM); very dense, moist, brown; medium to coarse sand; fine gravel.	25
							Bottom of exploration at 25.5 ft. bgs.	
							Note: No petroleum-like odor detected.	
	320							
30								30

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: ∇ Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: AWP
Approved by: ALC; 9/8/23

Exploration Log B95-AB-17

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, NE end of site	47.6079, -122.3226 (est)	**B95-AB-18**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually activated 300# hammer	347' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
James Goble	8" x 4.5" HSA	8/25/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Borehole capped with soil.					GRAVEL (GP); concrete debris, gravel	
							DEMOLITION DEBRIS FILL	
	345						SILTY SAND (SM); medium dense, dry, brown-red; fine to coarse sand; low plasticity fines.	
					SPT=6, 8, 10 PID=0.4 Sheen=No sheen			
5		Borehole backfilled with 3/8" hydrated bentonite chips			SPT=17, 15, 11 PID=0.3 Sheen=No sheen		SILTY SAND WITH GRAVEL (SM); medium dense, moist, brown-gray; medium to coarse sand; medium to coarse gravel.	5
	340						**CONCRETE SLAB**	
							CONCRETE; Approximately 10-inches thick.	
					SPT=16, 14, 12 PID=2.1 Sheen=No sheen		**GLAC IAL TILL**	
				B95-AB-18-7.5			SAND WITH SILT AND GRAVEL (SP-SM); medium dense, slightly moist, brown; medium to coarse sand; fine gravel.	
10					SPT=19, 21, 24 PID=3.7 Sheen=No sheen		Becomes dense and moist.	10
	335							
15					SPT=24, 33,37 PID=0.5 Sheen=No sheen		SANDY SILT (MH); very dense, slightly moist to moist; low to no plasticity; fine to medium sand; fine to coarse gravel.	15
				B95-AB-18-15				
	330							
20					SPT=27, 50/6" PID=0.3 Sheen=No sheen		Coarse gravel increasing with depth; sub-angular to sub-rounded gravel.	20
	325							
25				B95-AB-18-25	SPT=50/6" PID=0.5 Sheen=No sheen		SILTY SAND WITH GRAVEL (SM); very dense, moist, brown; fine to coarse sand; fine gravel.	25
							Bottom of exploration at 25.5 ft. bgs.	
	320						Note: No petroleum-like odor detected.	
30								30
	315							

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: SEA
Approved by: ALC; 9/8/23

Exploration Log B95-AB-18

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, NE end of site	47.6080, -122.3227 (est)	**B95-AB-19**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually activated 300# hammer	350' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
James Goble	8" x 4.5" HSA	8/25/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							GRAVEL (GP); concrete debris and gravel.	
							DEMOLITION DEBRIS FILL	
							SAND WITH SILT AND GRAVEL (SP-SM); medium dense, dry, gray brown; fine to coarse sand; fine to coarse, angular to sub-angular gravel.	
					Blows (non-SPT)=4, 9, 8 PID=0.3 Sheen=None			
5	345	Boring backfilled with 3/8" hydrated bentonite chips		B95-AB-19-5	Blows (non-SPT)=13, 17, 22 PID=0.8 Sheen=None		Becomes dense, gravel decreasing with depth.	5
					Blows (non-SPT)=13, 12, 40 PID=0.5 Sheen=None		Driller reports hard drilling.	
10	340			B95-AB-19-10	SPT=23, 50/6" PID=0.5 Sheen=None		**CONCRETE SLAB**	10
							CONCRETE; Approximately 10 inches.	
							ADVANCE OUTWASH	
							SILTY SAND WITH GRAVEL (SM); very dense, slightly moist to moist, brown; fine to medium sand; fine to medium gravel.	
15	335				SPT=13, 18, 27 PID=0.2 Sheen=None		SILTY SAND (SM); dense, moist, brown; fine to coarse sand.	15
20	330			B95-AB-19-20	SPT=26, 50/6" PID=0.4 Sheen=None			20
25	325				SPT=50/6" PID=0.3 Sheen=None		SILTY SAND WITH GRAVEL (SM); very dense, moist, brown; fine to medium sand; coarse gravel.	25
							Bottom of exploration at 25.5 ft. bgs.	
							Note: No petroleum-like odor detected.	
30	320							30

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: SEA
Approved by: ALC; 9/8/23

Exploration Log B95-AB-19

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, NE end of site	47.6081, -122.3227 (est)	**B95-AB-20**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually activated 300# hammer	351' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
James Goble	8" x 4.5" HSA	8/25/2021	NA	20' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							GRAVEL (GP); concrete debris, gravel.	
							DEMOLITION DEBRIS FILL SILTY SAND WITH GRAVEL (SM); dense, moist, gray-brown; fine to coarse sand; coarse gravel.	
	350				Blows (non-SPT)=26, 13, 16 PID=0.3 Sheen=None			
5	345	Boring backfilled with 3/8" hydrated bentonite chips.		B95-AB-20-5	Blows (non-SPT)=16, 11, 13 PID=1.2 Sheen=None			5
					Blows (non-SPT)=50/6" PID=0 Sheen=None		Becomes very dense.	
10	340			B95-AB-20-10	Blows (non-SPT)=13, 15, 16 PID=0 Sheen=None			10
							CONCRETE SLAB CONCRETE; Approximately 10 inches.	
							ADVANCE OUTWASH SILTY SAND (SM); dense, dry to moist, brown; fine to coarse sand.	
15	335				Blows (non-SPT)=22, 29, 27 PID=0 Sheen=None		Becomes very dense.	15
20	330	∇ 8/25/2021 Perched		B95-AB-20-20	Blows (non-SPT)=41,50/6" PID=0 Sheen=None		SILTY SAND WITH GRAVEL (SM); very dense, wet, brown; fine sand; fine to coarse gravel.	20
25	325				Blows (non-SPT)=46, 50/6" PID=0 Sheen=None		SILTY SAND (SM); very dense, wet, brown; fine to coarse sand.	25
							Bottom of exploration at 26 ft. bgs.	
							Note: No petroleum-like odor detected.	
30	320							30

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: ∇ Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: SEA
Approved by: ALC; 9/8/23

Exploration Log B95-AB-20

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, N corner of the site	47.6081, -122.3228 (est)	**B95-AB-21**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually activated 300# hammer	347' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
James Goble	8" x 4.5" HSA	8/25/2021	NA	20' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							GRAVEL (GP); Concrete debris, gravel.	
							DEMOLITION DEBRIS FILL SILTY SAND WITH GRAVEL (SM); dense, slightly moist, brown; very fine to coarse sand; fine to medium gravel and concrete debris.	
	345				Blows (non-SPT)=23, 17, 21 PID=0.3 Sheen=None			
5		Boring backfilled with 3/8" hydrated bentonite chips.		B95-AB-21-5	Blows (non-SPT)=12, 13, 12 PID=0.9 Sheen=None		Concrete debris deceasing with depth.	5
	340						**CONCRETE SLAB** CONCRETE; Approximately 10-inches thick.	
					Blows (non-SPT)=7, 7, 12 PID=0 Sheen=None		**ADVANCE OUTWASH** SAND WITH GRAVEL (SW); dense, moist, brown; fine to coarse sand; fine to medium gravel.	
10				B95-AB-21-10	Blows (non-SPT)=15, 14, 15 PID=0 Sheen=None			10
	335							
15					Blows (non-SPT)=18, 17, 21 PID=0 Sheen=None		Becomes very dense, moist to wet.	15
	330							
20		∇ 8/25/2021		B95-AB-21-20	Blows (non-SPT)=31,50/6" PID=0 Sheen=None			20
	325						GRAVEL WITH SAND (GP); very dense, wet, brown; coarse, sub-angular sand; fine to medium gravel.	
25					Blows (non-SPT)=45, 50/6" PID=0 Sheen=None		SAND WITH GRAVEL (SW); very dense, wet, brown; coarse sand; fine, sub-angular gravel.	25
	320						Bottom of exploration at 25.5 ft. bgs. Note: No petroleum-like odor detected.	
30								30
	315							

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: ∇ Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: SEA
Approved by: ALC; 9/8/23

Exploration Log B95-AB-21

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, N end of the site	47.6080, -122.3228 (est)	**B95-AB-22**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Hollow Stem Auger	Manually operated 300# hammer	350' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Curtis Askew	8.5" OD X 4.25" ID HSA	8/25/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							GRAVEL (GP); concrete debris, gravel	
							DEMOLITION DEBRIS FILL	
							SILTY SAND WITH GRAVEL (SM); medium dense, slightly moist, brown; fine to coarse sand; fine to coarse gravel; trace construction and demolition debris.	
					SPT=11, 10, 11 PID=0.4 Sheen=None			
5	345	Boring backfilled with 3/8" hydrated bentonite chips		B95-AB-22-5	SPT=11, 12, 12 PID=0.4 Sheen=None			5
					SPT=13, 15, 15 PID=0.7 Sheen=None		SILTY SAND (SM); medium dense, moist, brown; fine to coarse sand.	
10	340			B95-AB-22-10	SPT=17, 50/5" PID=0.5 Sheen=None		**CONCRETE SLAB** CONCRETE; approximately 10 inches.	10
							ADVANCE OUTWASH SILTY SAND (SM); very dense, moist, brown; fine to coarse sand.	
15	335				SPT=19, 50/6" PID=0.4 Sheen=None			15
20	330			B95-AB-22-20	SPT=29, 33, 44 PID=0.2 Sheen=None			20
25	325				SPT=50/6" PID=0.8 Sheen=None		SANDY SILT (ML); very dense, moist, brown; fine sand.	25
							Bottom of exploration at 25.5 ft. bgs.	
							Note: No petroleum-like odor detected.	
30	320							30

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: SEA
Approved by: ALC; 9/8/23

Exploration Log B95-AB-22

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates	Exploration Number
1101 Columbia Street, Seattle, WA 98101, central area of site	NA	**B95-AB-23**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Hollow Stem Auger	Split spoon	331' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
James Goble	6" OD X 2.25" ID HSA	8/30/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							CONCRETE; concrete, brick debris.	
	330						**FILL** SILTY SAND WITH GRAVEL (SM); medium dense, moist, brown; very fine to coarse sand; fine to medium, angular gravel; low plasticity fines.	
5	325	Boring backfilled with 3/8" hydrated bentonite chips		B95-AB-23-5	SPT=7, 6, 6 PID=0 Sheen=No sheen			5
10	320			B95-AB-23-10	SPT=10, 12, 12 PID=0.4 Sheen=No sheen		Becomes more dense.	10
15	315			B95-AB-23-15	SPT=31, 50/6" PID=0 Sheen=No sheen		**GLACIAL TILL** SILTY GRAVEL WITH SAND (GM); very dense, moist, brown; coarse sand; fine to coarse, sub-rounded to rounded gravel; low plasticity fines.	15
20	310				SPT=18, 22, 23 PID=0.2 Sheen=No sheen		SILTY SAND (SM); dense, moist, brown; coarse sand; low plasticity fines.	20
25	305			B95-AB-23-25	SPT=15, 19, 22 PID=1.2 Sheen=No sheen			25
30	300			B95-AB-23-30	SPT=17, 21, 25 PID=0 Sheen=No sheen		Silt increasing with depth.	30

Legend

Sample Type
- No Soil Sample Recovery
- Split Barrel 3" X 2.375"

Water Level
- No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: SEA
Approved by: ALC; 9/8/23

Exploration Log B95-AB-23

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates	Exploration Number
1101 Columbia Street, Seattle, WA 98101, central area of site	NA	**B95-AB-23**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Hollow Stem Auger	Split spoon	331' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
James Goble	6" OD X 2.25" ID HSA	8/30/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
							SILTY SAND (SM); dense, moist, brown; coarse sand; low plasticity fines. (continued)	
35	295				SPT=18, 20, 20 PID=0 Sheen=No sheen		GRAVEL WITH SILT AND SAND (GP-GM); dense, slightly moist, brown; coarse sand; fine to medium, sub-rounded to rounded gravel; low plasticity fines.	35
40	290			B95-AB-23-40	SPT=35, 50/6" PID=0.5 Sheen=No sheen		Becomes very dense, moist; gravel fragments in bottom of sampler.	40
45	285			B95-AB-23-45	SPT=13, 14, 10 PID=0 Sheen=No sheen		GRAVEL WITH SILT AND SAND (GP-GM); medium dense, moist to wet, brown; fine to coarse sand; fine to coarse, sub-angular to sub-rounded gravel.	45
50	280			B95-AB-23-50	SPT=39, 50/6" PID=1.7 Sheen=No sheen		Becomes very dense.	50
55	275			B95-AB-23-55	SPT=50/6" PID=0 Sheen=No sheen			55
60	270							60
65					SPT=50/6" PID=0			65

Legend

Sample Type
- No Soil Sample Recovery
- Split Barrel 3" X 2.375"

Water Level
- No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: SEA
Approved by: ALC; 9/8/23

Exploration Log B95-AB-23

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates	Exploration Number
1101 Columbia Street, Seattle, WA 98101, central area of site	NA	**B95-AB-23**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Hollow Stem Auger	Split spoon	331' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
James Goble	6" OD X 2.25" ID HSA	8/30/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
					Sheen=No sheen		GRAVEL WITH SILT AND SAND (GP-GM); medium dense, moist to wet, brown; fine to coarse sand; fine to coarse, sub-angular to sub-rounded gravel. (continued)	
70	260							70
75	255				SPT=49, 50/6" PID=0 Sheen=No sheen			75
80	250							80
85	245			B95-AB-23-85	SPT=31, 50/6" PID=0.3 Sheen=No sheen		SILTY SAND WITH GRAVEL (SM); very dense, moist, brown; fine to coarse sand; sub-rounded to rounded gravel; low-plasticity fines.	85
90	240						SILTY SAND (SM); very dense, moist, tan-brown; fine to coarse sand; low plasticity fines.	90
95	235			B95-AB-23-95	SPT=50/6" PID=0.1 Sheen=No sheen			95

Legend

Sample Type
- No Soil Sample Recovery
- Split Barrel 3" X 2.375"

Water Level
- No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: SEA
Approved by: ALC; 9/8/23

Exploration Log B95-AB-23

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates	Exploration Number
1101 Columbia Street, Seattle, WA 98101, central area of site	NA	**B95-AB-23**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	Hollow Stem Auger	Split spoon	331' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
James Goble	6" OD X 2.25" ID HSA	8/30/2021	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
100							SILTY SAND (SM); very dense, moist, tan-brown; fine to coarse sand; low plasticity fines. (continued)	100
	230							
105					SPT=39, 50/6" PID=0 Sheen=No sheen		**LAWTON CLAY** SANDY SILT (MH); very dense, wet, gray; fine sand; high plasticity fines.	105
	225							
110				B95-AB-23-110	SPT=50/6" PID=0 Sheen=No sheen		Bottom of exploration at 110.5 ft. bgs. Note: No petroleum-like odor detected.	110
	220							
115								115
	215							
120								120
	210							
125								125
	205							
130								130
	200							

Legend

Sample Type
- No Soil Sample Recovery
- Split Barrel 3" X 2.375"

Water Level
- No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: SEA
Approved by: ALC; 9/8/23

Exploration Log B95-AB-23

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, Refer to Figure 2	47.6079, -122.3227 (est)	**B95-AB-24**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually operated 300# hammer	350' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Curtis Askew	8.5" OD X 4.25" ID Hollow-Stem Auger	3/21/2022	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Borehole capped with soil.					**DEMOLITION DEBRIS FILL** SILTY SAND WITH GRAVEL (SM); moist, gray brown; little silt; fine to coarse sand; some gravel; brick and construction debris.	
5	345	Borehole backfilled with hydrated 3/8" bentonite chips.		B95-AB-37-5	PID=1.2 Sheen=None			5
10	340			B95-AB-37-10	PID=0.8 Sheen=None		**CONCRETE SLAB** CONCRETE; Approximately 10-inches thick.	10
							ADVANCE OUTWASH SAND (SP); moist, brown yellow; fine to medium sand; few fine to medium gravel.	
				B95-AB-37-12.5	PID=3 Sheen=None		SAND WITH SILT AND GRAVEL (SP-SM); moist, brown yellow; fine to coarse sand; little fine to coarse rounded to subangular gravel.	
15	335			B95-AB-37-15.5	PID=1.3 Sheen=None		SAND WITH GRAVEL (SP); moist, brown yellow; fine to medium sand; little rounded to subrounded gravel.	15
					PID=0.5 Sheen=None		SILTY GRAVEL WITH SAND (GM); moist, light gray; little silt; little fine to coarse sand; fine to coarse gravel.	
20	330				PID=5.2 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, light gray; little silt; fine to coarse sand; some gravel; layers with higher concentration of sand.	20
					PID=0.3 Sheen=None			
					PID=1.8 Sheen=None		SAND (SP); moist; medium to coarse sand.	
25	325				PID=0 Sheen=None			25
							Bottom of exploration at 26.5 ft. bgs. Note: No petroleum-like odor detected.	
30	320							30

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: MLK
Approved by: ALC; 9/8/23

Exploration Log B95-AB-24

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, Refer to Figure 2	47.6078, -122.3227 (est)	**B95-AB-25**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually operated 300# hammer	347' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Curtis Askew	8.5" OD X 4.25" ID Hollow-Stem Auger	3/23/2022	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Borehole capped with soil.					**DEMOLITION DEBRIS FILL** GRAVEL WITH SILT AND SAND (GW-GM); moist, brown; fine to medium sand; fine to coarse subrounded to rounded gravel.	
	345							
5		Borehole backfilled with hydrated 3/8" bentonite chips.		B95-AB-25-5	PID=0 Sheen=None			5
	340						**CONCRETE SLAB** CONCRETE; Approximately 10-inches thick.	
				B95-AB-25-7.5	PID=0 Sheen=None		**ADVANCE OUTWASH** SAND WITH SILT AND GRAVEL (SP-SM); moist, brown; fine to medium sand; fine subrounded gravel.	
10				B95-AB-25-10	PID=0.1 Sheen=None		SILTY SAND (SM); moist, brown; fine to medium sand; fine subrounded gravel.	10
	335				PID=0 Sheen=None			
15					PID=0 Sheen=None		GRAVEL WITH SILT AND SAND (GW-GM); moist, brown; fine to medium sand; fine to coarse subrounded to subangular gravel.	15
	330				PID=0 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, brown; fine to medium sand; fine subrounded gravel.	
20					PID=0 Sheen=None			20
	325				PID=0 Sheen=None			
25					PID=0 Sheen=None			25
	320						Bottom of exploration at 26.5 ft. bgs. Note: No petroleum-like odor detected.	
30								30
	315							

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: DRB
Approved by: ALC; 9/8/23

Exploration Log B95-AB-25

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, Refer to Figure 2	47.6079, -122.3227 (est)	**B95-AB-26**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually operated 300# hammer	347' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Curtis Askew	8.5" OD X 4.25" ID Hollow-Stem Auger	3/21/2022	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Borehole capped with soil.					**DEMOLITION DEBRIS FILL** SILTY SAND WITH GRAVEL (SM); moist, gray brown; little silt; fine to coarse sand; some fine to coarse gravel; construction debris.	
	345							
5		Borehole backfilled with hydrated 3/8" bentonite chips.			PID=0.4 Sheen=None			5
	340						**CONCRETE SLAB** CONCRETE; Approximately 10-inches thick.	
				B95-AB-26-7.5	PID=0.1 Sheen=None		**ADVANCE OUTWASH** SILTY SAND (SM); moist, brown; little silt; fine to coarse sand; few fine to coarse gravel.	
10					PID=0.6 Sheen=None		SAND WITH SILT (SP-SM); moist, gray brown; few silt; medium sand; trace fine gravel.	10
	335							
				B95-AB-26-12.5	PID=0.4 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, brown yellow; little silt; medium sand; little fine to coarse gravel.	
15					PID=0.6 Sheen=None		SILTY SAND (SM); moist, brown yellow; little silt; fine sand; interbedded with medium to coarse sand with few silt.	15
	330							
					PID=0.6 Sheen=None		SILTY GRAVEL WITH SAND (GM); moist, gray brown; some silt; some medium sand; fine to coarse gravel.	
20					PID=0.3 Sheen=None			20
	325							
					PID=0.3 Sheen=None		SAND WITH SILT AND GRAVEL (SP-SM); moist, gray brown; few silt; medium sand; little fine to coarse gravel.	
25					PID=0.6 Sheen=None		Becomes with layers of fine sand and layers with higher gravel content.	25
	320						Bottom of exploration at 26.5 ft. bgs. Note: No petroleum-like odor detected.	
30								30
	315							

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: MLK
Approved by: ALC; 9/8/23

Exploration Log B95-AB-26

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, Refer to Figure 2	47.6078, -122.3227 (est)	**B95-AB-27**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually operated 300# hammer	347' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Curtis Askew	8.5" OD X 4.25" ID Hollow-Stem Auger	3/21/2022	NA	25' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Borehole capped with soil.					**DEMOLITION DEBRIS FILL** SILTY GRAVEL WITH SAND (GM); moist, light gray;silt; fine to coarse sand; fine to coarse gravel; construction debris.	
	345							
5		Borehole backfilled with hydrated 3/8" bentonite chips.		B95-AB-27-5	PID=0.3 Sheen=None			5
	340						**CONCRETE SLAB** CONCRETE; Approximately 10-inches thick.	
					PID=0.4 Sheen=None		**ADVANCE OUTWASH** SILTY SAND (SM); moist, brown; silt; fine to medium sand; fine to coarse gravel.	
10				B95-AB-27-10.5	PID=0.1 Sheen=None		SAND WITH SILT (SP-SM); moist, brown yellow; silt; fine to coarse sand; fine to coarse gravel.	10
	335							
15					PID=0.1 Sheen=None		SILTY GRAVEL WITH SAND (GM); moist, brown yellow; silt; fine to coarse sand; fine to coarse gravel.	15
	330							
					PID=0.4 Sheen=None		Becomes silt content.	
20					PID=0.1 Sheen=None		Increased moisture. Auger becomes wet.	20
	325							
					PID=0.3 Sheen=None		SAND (SP); moist, brown yellow; fine to medium sand; silt.	
25		∇ 3/21/2022			PID=0.3 Sheen=None		Becomes wet.	25
	320						Bottom of exploration at 26.5 ft. bgs. Note: No petroleum-like odor detected.	
30								30
	315							

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: ∇ Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: MLK
Approved by: ALC; 9/8/23

Exploration Log B95-AB-27

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, Refer to Figure 2	47.6079, -122.3227 (est)	**B95-AB-28**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually operated 300# hammer	352' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Curtis Askew	8.5" OD X 4.25" ID Hollow-Stem Auger	3/22/2022	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Borehole capped with soil.					**DEMOLITION DEBRIS FILL** SILTY GRAVEL WITH SAND (GM); moist, brown; fine to medium sand; fine to coarse subrounded to rounded gravel; brick fragments.	
	350							
5		Borehole backfilled with hydrated 3/8" bentonite chips.			PID=0 Sheen=None			5
	345			B95-AB-27-7.5	PID=0 Sheen=None			
10					PID=0.1 Sheen=None			10
	340						CONCRETE; Approximately 10-inches thick.	
				B95-AB-27-12.5	PID=0.2 Sheen=None		**ADVANCE OUTWASH** SILTY SAND WITH GRAVEL (SM); moist, brown; fine to medium sand; fine to coarse subrounded gravel.	
15					PID=0 Sheen=None		Becomes with coarse sand.	15
	335				PID=0.1 Sheen=None			
20					PID=0.3 Sheen=None		SILTY GRAVEL WITH SAND (GM); moist, brown; fine to medium sand; fine to coarse subrounded to subangular gravel.	20
	330				PID=0.1 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, brown; fine to medium sand; fine to subrounded gravel.	
25				B95-AB-27-26	PID=0 Sheen=None			25
	325						Bottom of exploration at 26.5 ft. bgs. Note: No petroleum-like odor detected.	
30								30
	320							

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: DRB
Approved by: ALC; 9/8/23

Exploration Log B95-AB-28

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482

Excavation Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, Refer to Figure 2	47.6079, -122.3227 (est)	**B95-AB-29**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
JR Hayes Corp.	Excavator or Backhoe	Grab	346' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Keith	Excavator bucket	3/23/2022	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
	345	Test pit backfilled with excavated material.					**DEMOLITION DEBRIS FILL** SAND WITH SILT AND GRAVEL (SP-SM); moist, brown; fine to medium sand; fine to coarse subrounded gravel; concrete and reinforcing wire.	
5	340	No caving or calving of sidewalls	Grab	B95-AB-29-5	PID=0 Sheen=None			5
							CONCRETE SLAB CONCRETE; Approximately 10-inches thick.	
			Grab		PID=0.2 Sheen=None		**ADVANCE OUTWASH** SAND (SP); moist, brown; fine to medium sand; fine to coarse gravel; trace silt.	
10			Grab		PID=0.1 Sheen=None		Bottom of exploration at 10 ft. bgs. Note: No petroleum-like odor detected.	10
	335							
15	330							15
20	325							20
25	320							25
30	315							30

Legend

Sample Type: Grab sample

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: MLK
Approved by: ALC; 9/8/23

Exploration Log B95-AB-29

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, Refer to Figure 2	47.6079, -122.3227 (est)	**B95-AB-30**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually operated 300# hammer	347' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Curtis Askew	8.5" OD X 4.25" ID Hollow-Stem Auger	3/23/2022	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Borehole capped with soil.					**DEMOLITION DEBRIS FILL** GRAVEL WITH SILT AND SAND (GW-GM); moist, brown; fine to medium sand; fine to coarse subrounded to rounded gravel.	
	345							
5		Borehole backfilled with hydrated 3/8" bentonite chips.		B95-AB-30-5	PID=0 Sheen=None			5
	340						**CONCRETE SLAB** CONCRETE; Approximately 10-inches thick.	
					PID=0 Sheen=None		**ADVANCE OUTWASH** SAND WITH SILT AND GRAVEL (SP-SM); moist, brown; fine to medium sand; fine subrounded to subangular gravel.	
10					PID=0 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, brown; fine to medium sand; fine subrounded to subangular gravel.	10
	335				PID=0 Sheen=None			
15					PID=0 Sheen=None		GRAVEL WITH SILT AND SAND (GW-GM); moist, brown; fine to medium sand; fine to coarse subrounded gravel.	15
	330				PID=0 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, brown; fine to medium sand; fine subrounded gravel.	
20				B95-AB-30-20	PID=0 Sheen=None			20
	325						Bottom of exploration at 21.5 ft. bgs. Note: No petroleum-like odor detected.	
25								25
	320							
30								30
	315							

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: DRB
Approved by: ALC; 9/8/23

Exploration Log B95-AB-30

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482

Excavation Log

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, Refer to Figure 2	47.6079, -122.3227 (est)	**B95-AB-31**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
JR Hayes	Excavator or Backhoe	Grab	344' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
	Backhoe or trackhoe	3/23/2022	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Test pit backfilled with native material.					**DEMOLITION DEBRIS** SAND WITH SILT AND GRAVEL (SP-SM); moist, brown; little silt; fine to medium sand; little fine to coarse subrounded gravel.	
	340						**CONCRETE SLAB** CONCRETE; Approximately 10-inches thick.	
5				B95-AB-31-5	PID=0 Sheen=None		**ADVANCE OUTWASH** SAND (SP); moist, browntrace silt; fine to medium sand; few fine to coarse gravel.	5
	335				PID=0 Sheen=None		Becomes with mostly sand, trace gravel, trace silt.	
10					PID=0.1 Sheen=None		Bottom of exploration at 10 ft. bgs. Note: No petroleum-like odor detected.	10
	330							
15								15
	325							
20								20
	320							
25								25
	315							
30								30

Legend

Sample Type: Grab sample

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: MLK
Approved by: ALC; 9/8/23

Exploration Log B95-AB-31

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, Refer to Figure 2	47.6079, -122.3227 (est)	**B95-AB-32**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually operated 300# hammer	349' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Curtis Askew	8.5" OD X 4.25" ID Hollow-Stem Auger	3/22/2022	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Borehole capped with soil.					**DEMOLITION DEBRIS FILL** SILTY GRAVEL WITH SAND (GM); moist, brown; fine to coarse subrounded to rounded gravel.	
	345							
5		Borehole backfilled with 3/8" hydrated bentonite chips.			PID=0.1 Sheen=None			5
				B95-AB-32-7.5	PID=0 Sheen=None			
	340						**CONCRETE SLAB** CONCRETE; Approximately 10-inches thick.	
10					PID=0.2 Sheen=None		**GLACIAL TILL** SILTY SAND (SM); slightly moist, brown; fine to medium sand; fine subrounded to subangular gravel.	10
					PID=0 Sheen=None			
	335							
15					PID=0 Sheen=None			15
					PID=0.1 Sheen=None		**ADVANCE OUTWASH** SILTY GRAVEL WITH SAND (GM); slightly moist, brown; fine to medium sand; fine to coarse subrounded gravel.	
	330							
20					PID=0 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, brown; fine to medium sand; fine subrounded gravel.	20
							Bottom of exploration at 21.5 ft. bgs. Note: No petroleum-like odor detected.	
	325							
25								25
	320							
30								30

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: DRB
Approved by: ALC; 9/8/23

Exploration Log B95-AB-32

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, Refer to Figure 2	47.6079, -122.3227 (est)	**B95-AB-33**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually operated 300# hammer	349' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Curtis Askew	8.5" OD X 4.25" ID Hollow-Stem Auger	3/22/2022	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
	348	Borehole capped with soil.					**DEMOLITION DEBRIS FILL** SILTY GRAVEL WITH SAND (GM); moist, brown; fine to coarse subrounded to rounded gravel.	
					PID=0.1 Sheen=None			
5	343	Borehole backfilled with hydrated 3/8" bentonite chips.			PID=0.2 Sheen=None		SAND WITH SILT AND GRAVEL (SP-SM); moist, brown; fine to medium sand, fine subrounded to rounded gravel.	5
				B95-AB-33-7.5	PID=0 Sheen=None		SILTY GRAVEL WITH SAND (GM); moist, brown; fine to medium sand, fine subrounded to rounded gravel.	
10	338						Bottom of exploration at 7.5 ft. bgs. Note: No petroleum-like odor detected. Note: Refusal on concrete slab.	10
15	333							15
20	328							20
25	323							25
30	318							30

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: DRB
Approved by: ALC; 9/8/23

Exploration Log B95-AB-33

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, Refer to Figure 2	47.6079, -122.3227 (est)	**B95-AB-34**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually operated 300# hammer	327' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Curtis Askew	8.5" OD X 4.25" ID Hollow-Stem Auger	3/23/2022	NA	12.5' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Borehole capped with concrete.					CONCRETE; concrete.	
	325						**FILL** SAND WITH SILT (SP-SM); wet, brown; fine to coarse sand; trace fine gravel; brick fragments. Becomes moist with fewer bricks.	
5		Borehole backfilled with hydrated 3/8" bentonite chips.			PID=0 Sheen=None		Becomes slightly moist with trace bricks.	5
	320			B95-AB-34-8	PID=0.2 Sheen=Slight		Becomes moist with blocky organics.	
10					PID=0.4 Sheen=None			10
	315	3/23/2022			PID=0 Sheen=None		**RECESSIONAL OUTWASH** GRAVEL WITH SILT AND SAND (GP-GM); wet, brown; fine to coarse sand; fine to coarse gravel. SAND WITH SILT (SP-SM); wet, brown; fine to coarse sand; trace fine gravel.	
15					PID=0.5 Sheen=None			15
	310				PID=0 Sheen=None		Becomes with fine to medium sand.	
20					PID=0 Sheen=None			20
	305						Bottom of exploration at 21.5 ft. bgs. Note: No petroleum-like odor detected.	
25								25
	300							
30								30
	295							

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: ACO
Approved by: ALC; 9/8/23

Exploration Log B95-AB-34

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, Refer to Figure 2	47.6079, -122.3227 (est)	**B95-AB-35**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually operated 300# hammer	328' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Curtis Askew	8.5" OD X 4.25" ID Hollow-Stem Auger	3/24/2022	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Borehole capped with concrete.					CONCRETE; concrete.	
							FILL SILTY SAND WITH GRAVEL (SM); wet, brown; fine to coarse sand; coarse gravel.	
	325							
5		Borehole backfilled with hydrated 3/8" bentonite chips.		B95-AB-35-6	PID=0 Sheen=None		Becomes moist.	5
	320				PID=0 Sheen=None			
10					PID=0 Sheen=Slight		**RECESSIONAL OUTWASH** SAND WITH SILT AND GRAVEL (SP-SM); slightly moist, brown; fine to coarse sand; fine to coarse gravel; iron-oxide staining.	10
	315				PID=0 Sheen=Slight			
15					PID=0 Sheen=None			15
							SAND (SP); slightly moist, brown; fine to coarse sand; intermittent layers of sand with silt and gravel.	
	310				PID=0 Sheen=None		SAND WITH SILT (SP-SM); slightly moist, brown; fine to coarse sand; trace gravel.	
20					PID=0 Sheen=None			20
							Bottom of exploration at 21.5 ft. bgs.	
	305						Note: No petroleum-like odor detected.	
25								25
	300							
30								30

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: ACO
Approved by: ALC; 9/8/23

Exploration Log B95-AB-35

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, Refer to Figure 2	47.6079, -122.3227 (est)	**B95-AB-36**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually operated 300# hammer	328' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Curtis Askew	8.5" OD X 4.25" ID Hollow-Stem Auger	3/24/2022	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Borehole capped with concrete.					CONCRETE; concrete	
							FILL SILTY SAND (SM); wet, brown; fine to medium sand; trace gravel; trace organics; brick fragments.	
	325							
5		Boring backfilled with hydrated 3/8" bentonite chips.		B95-AB-36-6	PID=0 Sheen=Slight		Becomes slightly moist.	5
	320				PID=0.1 Sheen=None		**RECESSIONAL OUTWASH** SAND WITH SILT (SP-SM); slightly moist, brown; fine to coarse sand; trace gravel.	
10					PID=0.3 Sheen=Slight			10
	315				PID=0.6 Sheen=None		SILTY SAND WITH GRAVEL (SM); slightly moist, brown; fine to coarse sand; fine gravel.	
15					PID=0.5 Sheen=None		SAND WITH SILT (SP-SM); slightly moist, brown; fine to medium sand; fine to coarse gravel.	15
	310				PID=0.7 Sheen=None		SAND WITH GRAVEL (SP); slightly moist, brown; medium to coarse sand; fine to coarse gravel; trace silt.	
20					PID=0.8 Sheen=None			20
							Bottom of exploration at 21.5 ft. bgs.	
	305						Note: No petroleum-like odor detected.	
25								25
	300							
30								30

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: ACO
Approved by: ALC; 9/8/23

Exploration Log B95-AB-36

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

Swedish First Hill Redevelopment - Block 95 - 200482 Environmental Exploration Log

Aspect CONSULTING

Project Address & Site Specific Location	Coordinates (Lat,Lon WGS84)	Exploration Number
1101 Columbia Street, Seattle, WA 98101, Refer to Figure 2	47.6078, -122.3232 (est)	**B95-AB-37**

Contractor	Equipment	Sampling Method	Ground Surface Elev. (NAVD88)
Cascade Drilling	CME 75	Manually operated 300# hammer	328' (est)

Operator	Exploration Method(s)	Work Start/Completion Dates	Top of Casing Elev. (NAVD88)	Depth to Water (Below GS)
Curtis Askew	8.5" OD X 4.25" ID Hollow-Stem Auger	3/21/2022	NA	No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Borehole capped with concrete.					CONCRETE; concrete.	
							FILL SAND (SP); slightly moist, brown; fine to coarse sand; trace gravel; trace silt.	
	325							
5		Borehole backfilled with hydrated 3/8" bentonite chips.		B95-AB-37-6	PID=0 Sheen=None			5
							SILTY SAND (SM); slightly moist, brown; fine sand; trace gravel.	
	320				PID=0 Sheen=None			
							RECESSIONAL OUTWASH SAND (SP); slightly moist, brown; fine to coarse sand; trace silt. Becomes with trace gravel.	
10					PID=0 Sheen=None			10
	315				PID=0 Sheen=None			
15					PID=0 Sheen=None		SAND WITH SILT (SP-SM); slightly moist, brown; fine to coarse sand; trace fine gravel.	15
	310				PID=0.2 Sheen=Slight			
20					PID=0.2 Sheen=None			20
							Bottom of exploration at 21.5 ft. bgs. Note: No petroleum-like odor detected.	
	305							
25								25
	300							
30								30

Legend

Sample Type: Split Barrel 3" X 2.375"

Water Level: No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: ACO
Approved by: ALC; 9/8/23

Exploration Log B95-AB-37

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINTW\PROJECTS\200482 - SWEDISH BLOCK 95.GPJ September 8, 2023

04.22.013

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE72528

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: RE20251

Consulting Firm Malcolm Drilling

Unique Ecology Well IDTag No. BND619

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Waits Matthew

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3144

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Swedish First Hill

Site Address 1115 columbia street

City Seattle County King

Location SW 1/4-1/4 NE 1/4 Sec 32 Twn 25N R 4E

EWM ☒ or WWM ☐

Lat/Long (s, t, r still REQUIRED) Lat Deg 47.60800'N Min Sec

Long Deg 122.32283.W Min Sec

Tax Parcel No.

Cased or Uncased Diameter Static Level

Work/Decommission Start Date 5-4-22

Work/Decommission Completed Date 5-4-22

Construction Design	Well Data	Formation Description
	Decommissioned a 2" PC well 108' Feet Deep with 5/8 bentonite chips. well will be Removed During Construction	

SCALE: 1"= ____ PAGE ____ OF ____

ECY 050-12 (Rev. 7/06)

Ecology is an Equal Opportunity Employer

04.22.013

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE72528

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: RE20251

Consulting Firm Malcolm Drilling

Unique Ecology Well IDTag No. BND 618

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Waits Matthew

Driller/Engineer /Trainee Signature

Driller or Trainee License No. 3144

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Swedish First Hill

Site Address 1115 columbia street

City Seattle County King

Location SW 1/4-1/4 NE 1/4 Sec 32 Twn 25N R 4E

EWM ☒ or WWM ☐ 47.60800°N

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

Long Deg 122.32283°W Min ____ Sec ____

Tax Parcel No.

Cased or Uncased Diameter ____ Static Level ____

Work/Decommission Start Date 5-4-22

Work/Decommission Completed Date 5-4-22

Construction Design	Well Data	Formation Description
	Decommissioned a 2" PC well 100' Feet Deep with 5/8 bentonite chips. well will be removed During construction	

SCALE: 1"= ____ PAGE ____ OF ____

04.22.013

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE72528

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: RE70251

Consulting Firm Malcolm Drilling

Unique Ecology Well IDTag No. BND 617

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Waits Matthew

Driller/Engineer /Trainee Signature [signature]

Driller or Trainee License No. 3144

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Swedish First Hill

Site Address 1115 columbia street

City Seattle County King

Location SW 1/4-1/4 NE 1/4 Sec 32 Twn 25N R 4E

EWM ☒ or WWM ☐ 47.60900°N

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

Long Deg 122.32283°W Min ____ Sec ____

Tax Parcel No. ____

Cased or Uncased Diameter ____ Static Level ____

Work/Decommission Start Date 5-4-22

Work/Decommission Completed Date 5-4-22

Construction Design	Well Data	Formation Description
	Decommissioned a 2" PC well 140 Feet Deep with 5/8 bentonite chips. well will be removed During construction	

SCALE: 1"= ____ PAGE ____ OF ____

ECY 050-12 (Rev. 7/06)

Ecology is an Equal Opportunity Employer

04.22.013

Please print, sign and return to the Department of Ecology

RESOURCE PROTECTION WELL REPORT

CURRENT Notice of Intent No. AE72528

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

Construction/Decommission *("x" in box)*

☐ Construction

☒ Decommission

ORIGINAL INSTALLATION Notice of Intent Number: RE20251

Consulting Firm Malcolm Drilling

Unique Ecology Well IDTag No. BND 616

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee

Name (Print Last, First Name) Waits Matthew

Driller/Engineer /Trainee Signature [signature]

Driller or Trainee License No. 3144

If trainee, licensed driller's Signature and License Number:

Type of Well *("x in box)*

☒ Resource Protection

☐ Geotech Soil Boring

Property Owner Swedish First Hill

Site Address 1115 columbia street

City Seattle County King

Location SW 1/4-1/4 NE 1/4 Sec 32 Twn 25N R 4E

EWM ☒ or WWM ☐ 47.60900°N

Lat/Long (s, t, r still REQUIRED) Lat Deg ____ Min ____ Sec ____

Long Deg 122.32283°W Min ____ Sec ____

Tax Parcel No. ____

Cased or Uncased Diameter ____ Static Level ____

Work/Decommission Start Date 5-4-22

Work/Decommission Completed Date 5-4-22

Construction Design	Well Data	Formation Description
	Decommissioned a 2" PC well 105' Feet Deep with 5/8 bentonite chips. well will be removed During construction	

SCALE: 1"= ____ PAGE ____ OF ____

ECY 050-12 (Rev. 7/06)

Ecology is an Equal Opportunity Employer

Notice of Intent to
Decommission a Well

Notification Number
AE72528

This form and required fees **MUST BE RECEIVED** by the Department of Ecology **72 HOURS BEFORE** you construct a well.

WASHINGTON STATE DEPARTMENT OF ECOLOGY

Submit one completed form for each job site and required fee (check or money order only) to:
Department of Ecology Cashiering Unit, P.O. Box 47611, Olympia, WA 98504-7611

NOTE: Please print. Processing your Notice of Intent may be delayed if all fields are not filled in completely.

1. Property Owner: Swedish First Hill		Phone Number	
Mailing Address: 1115 Columbia Street	City: Seattle	State: WA	Zip Code: 98104
2. Agent (if different from above)		Phone Number	
Mailing Address	City	State	Zip Code

3. Well Location

Tax Parcel Number, Township, Range, Section,¼, and ¼ ¼ are Required. Latitude and longitude (if available).

County Name: King - 17					
Well Site Street Address: 1115 COLUMBIA ST		City: SEATTLE		State: WA	Zip Code
Tax Parcel Number	Township: 25N	Range: 4E	Section: 32	¼ (within 160 acres): SW	¼ -¼ (within 40 acres): NE
Latitude Degrees	Latitude Time: min sec			Horizontal Collection Method	
Longitude Degrees	Longitude Time: min sec				

4. Notice of Intent Number of well being decomissioned: RE20251
Unique Well Tag Number of well being decomissioned (if applicable)

5. Well Type to Decommission
Resource Protection - $20.00 each Revised Code: 027-WEL1**-02-87-000101 How Many? 4

6. Estimated Decommission Start Date: 4/26/2022
Project Name

7. Professional's License Number

8. Well Drilling Company Name: MALCOLM DRILLING CO INC
Phone Number

9. Well Driller Name: MATTHEW WAITS
Driller License Number: 3144

10. **Send the entire form.**

Please copy the notification number (located in the upper and lower right corners) and keep in a safe place. Use this reference number when communicating with the Department of Ecology.

Water Well :	$50.00
Soil Sampling, Dewatering, Environmental investigation wells:	No Fee
All other wells:	$20.00 each
Amount Enclosed $	$80.00

This notification number must be provided to your driller:

AE72528

Your validation will be sent to the e-mail address you provided: Mwaits@malcolmdrilling.com

4/21/2022 13:12. Confirmation Number: 22042108913676. This begins your 72 hour wait period.

Instructions

Item 1: Property owner's name, daytime phone number and mailing address.

Item 2: Agent - If the driller, consultant or other person is acting as your agent and is submitting the notification fee, please provide their name, mailing address and daytime phone number

Item 3: Complete county name and code number from drop down list. If the site street address is available, please fill in the complete address here. Include city and zip code. Please enter the tax parcel number if available. NOTE: Include all dashes and zeros. Please provide the Township, Range, Section, where the well is located. This information can be found in your property legal description or the County Assessor's Office

Item 4: Please enter the original construction notice of intent number if available.

Item 5: Type of well to decommission. Please note those wells that require a fee and those that do not.

Item 6: Enter the approximate decommissioning start date.

Item 7-11: This information should be available from your well driller.

For Assistance

Contact the Department of Ecology Regional Office where the well is located.

Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, Yakima counties contact:

Central Regional Office (CRO) (509) 575-2490 TTY 711 and 1-800-833-6388

Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman counties contact:

Eastern Regional Office (ERO) (509) 329-3400 TTY 711 and 1-800-833-6388

Island, King, Kitsap, San Juan, Skagit, Snohomish, Whatcom counties contact:

Northwest Regional Office (NWRO) (425) 649-7000 TTY 711 and 1-800-833-6388

Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Lewis, Mason, Pacific, Pierce, Skamania, Thurston, Wahkiakum counties contact:

Southwest Regional Office (SWRO) (360) 407-6300 TTY 711 and 1-800-833-6388

ECY 040- 24 To request ADA accommodation including materials in a format for the visually impaired, call Ecology Water Resources Program at 360-407-6872. Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech disability may call TTY at 877-833-6341.

APPENDIX B

Laboratory Analytical Reports

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Sam Adlington
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Swedish Block 95
Work Order Number: 2104433

May 25, 2021

Attention Sam Adlington:

Fremont Analytical, Inc. received 51 sample(s) on 4/30/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Mercury by EPA Method 7471
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B
Volatile Organic Compounds by EPA Method 8260D

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

Date: *05/25/2021*

CLIENT: Aspect Consulting
Project: Swedish Block 95
Work Order: 2104433

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2104433-001	B95-AB-08-3.5	04/28/2021 1:20 PM	04/30/2021 11:43 AM
2104433-002	B95-AB-08-6.5	04/28/2021 1:45 PM	04/30/2021 11:43 AM
2104433-003	B95-AB-08-9	04/28/2021 1:50 PM	04/30/2021 11:43 AM
2104433-004	B95-AB-08-12	04/28/2021 1:55 PM	04/30/2021 11:43 AM
2104433-005	B95-AB-08-18	04/28/2021 2:05 PM	04/30/2021 11:43 AM
2104433-006	B95-AB-08-22.5	04/28/2021 2:10 PM	04/30/2021 11:43 AM
2104433-007	B95-AB-05-7	04/28/2021 10:50 AM	04/30/2021 11:43 AM
2104433-008	B95-AB-05-9.5	04/28/2021 10:55 AM	04/30/2021 11:43 AM
2104433-009	B95-AB-05-14	04/28/2021 11:40 AM	04/30/2021 11:43 AM
2104433-010	B95-AB-05-17.5	04/28/2021 11:45 AM	04/30/2021 11:43 AM
2104433-011	B95-AB-05-22	04/28/2021 11:55 AM	04/30/2021 11:43 AM
2104433-012	B95-AB-04-2	04/28/2021 3:00 PM	04/30/2021 11:43 AM
2104433-013	B95-AB-04-4	04/28/2021 3:05 PM	04/30/2021 11:43 AM
2104433-014	B95-AB-04-6.5	04/28/2021 3:10 PM	04/30/2021 11:43 AM
2104433-015	B95-AB-04-8.5	04/28/2021 3:15 PM	04/30/2021 11:43 AM
2104433-016	B95-AB-04-12.5	04/28/2021 3:25 PM	04/30/2021 11:43 AM
2104433-017	B95-AB-04-16	04/28/2021 3:30 PM	04/30/2021 11:43 AM
2104433-018	B95-AB-04-22.5	04/28/2021 4:00 PM	04/30/2021 11:43 AM
2104433-019	B95-AB-01-2.5	04/29/2021 10:50 AM	04/30/2021 11:43 AM
2104433-020	B95-AB-01-5	04/29/2021 10:55 AM	04/30/2021 11:43 AM
2104433-021	B95-AB-01-8.5	04/29/2021 10:51 AM	04/30/2021 11:43 AM
2104433-022	B95-AB-01-11	04/29/2021 11:00 AM	04/30/2021 11:43 AM
2104433-023	B95-AB-01-14.5	04/29/2021 11:27 AM	04/30/2021 11:43 AM
2104433-024	B95-AB-01-22.5	04/29/2021 11:30 AM	04/30/2021 11:43 AM
2104433-025	B95-AB-02-2.5	04/29/2021 9:40 AM	04/30/2021 11:43 AM
2104433-026	B95-AB-02-5	04/29/2021 9:45 AM	04/30/2021 11:43 AM
2104433-027	B95-AB-02-7.5	04/29/2021 9:50 AM	04/30/2021 11:43 AM
2104433-028	B95-AB-02-10	04/29/2021 9:55 AM	04/30/2021 11:43 AM
2104433-029	B95-AB-02-12.5	04/29/2021 9:59 AM	04/30/2021 11:43 AM
2104433-030	B95-AB-02-21.5	04/29/2021 10:30 AM	04/30/2021 11:43 AM
2104433-031	B95-AB-03-2.5	04/29/2021 8:40 AM	04/30/2021 11:43 AM
2104433-032	B95-AB-03-4.5	04/29/2021 8:44 AM	04/30/2021 11:43 AM
2104433-033	B95-AB-03-7	04/29/2021 8:48 AM	04/30/2021 11:43 AM
2104433-034	B95-AB-03-12.5	04/29/2021 9:05 AM	04/30/2021 11:43 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Swedish Block 95
Work Order: 2104433

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2104433-035	B95-AB-03-15	04/29/2021 9:10 AM	04/30/2021 11:43 AM
2104433-036	B95-AB-03-22.5	04/29/2021 9:32 AM	04/30/2021 11:43 AM
2104433-037	B95-AB-03-10	04/29/2021 8:50 AM	04/30/2021 11:43 AM
2104433-038	B95-AB-06-6.5	04/29/2021 11:39 AM	04/30/2021 11:43 AM
2104433-039	B95-AB-06-13	04/29/2021 12:00 PM	04/30/2021 11:43 AM
2104433-040	B95-AB-06-15.5	04/29/2021 12:03 PM	04/30/2021 11:43 AM
2104433-041	B95-AB-06-18	04/29/2021 12:10 PM	04/30/2021 11:43 AM
2104433-042	B95-AB-06-20	04/29/2021 12:15 PM	04/30/2021 11:43 AM
2104433-043	B95-AB-06-23	04/29/2021 12:30 PM	04/30/2021 11:43 AM
2104433-044	B95-AB-07-4	04/29/2021 1:24 PM	04/30/2021 11:43 AM
2104433-045	B95-AB-07-10	04/29/2021 1:33 PM	04/30/2021 11:43 AM
2104433-046	B95-AB-07-13	04/29/2021 1:38 PM	04/30/2021 11:43 AM
2104433-047	B95-AB-07-16.5	04/29/2021 1:42 PM	04/30/2021 11:43 AM
2104433-048	B95-AB-07-19	04/29/2021 2:00 PM	04/30/2021 11:43 AM
2104433-049	B95-AB-07-23	04/29/2021 2:05 PM	04/30/2021 11:43 AM
2104433-050	B95-AB-09-4.5-1	04/29/2021 3:05 PM	04/30/2021 11:43 AM
2104433-051	B95-AB-09-4.5-2	04/29/2021 3:15 PM	04/30/2021 11:43 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2104433**

Date: **5/25/2021**

CLIENT: Aspect Consulting
Project: Swedish Block 95

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.

5/25/21 Rev 1: Reflects the inclusion of additional analyses requested by the client.

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

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 1:45:00 PM
Project: Swedish Block 95
Lab ID: 2104433-002
Matrix: Soil
Client Sample ID: B95-AB-08-6.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32198		Analyst: MM
Diesel (Fuel Oil)	ND	53.2		mg/Kg-dry	1	5/5/2021 4:39:34 PM
Heavy Oil	ND	106		mg/Kg-dry	1	5/5/2021 4:39:34 PM
Total Petroleum Hydrocarbons	ND	159		mg/Kg-dry	1	5/5/2021 4:39:34 PM
Surr: 2-Fluorobiphenyl	78.7	50 - 150		%Rec	1	5/5/2021 4:39:34 PM
Surr: o-Terphenyl	85.9	50 - 150		%Rec	1	5/5/2021 4:39:34 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	20.3		µg/Kg-dry	1	5/3/2021 6:53:41 PM
2-Methylnaphthalene	ND	20.3		µg/Kg-dry	1	5/3/2021 6:53:41 PM
1-Methylnaphthalene	ND	20.3		µg/Kg-dry	1	5/3/2021 6:53:41 PM
Acenaphthylene	ND	20.3		µg/Kg-dry	1	5/3/2021 6:53:41 PM
Acenaphthene	ND	20.3		µg/Kg-dry	1	5/3/2021 6:53:41 PM
Fluorene	ND	20.3		µg/Kg-dry	1	5/3/2021 6:53:41 PM
Phenanthrene	ND	40.6		µg/Kg-dry	1	5/3/2021 6:53:41 PM
Anthracene	ND	40.6		µg/Kg-dry	1	5/3/2021 6:53:41 PM
Fluoranthene	ND	40.6		µg/Kg-dry	1	5/3/2021 6:53:41 PM
Pyrene	ND	40.6		µg/Kg-dry	1	5/3/2021 6:53:41 PM
Benz(a)anthracene	ND	20.3		µg/Kg-dry	1	5/3/2021 6:53:41 PM
Chrysene	ND	40.6		µg/Kg-dry	1	5/3/2021 6:53:41 PM
Benzo(b)fluoranthene	ND	20.3		µg/Kg-dry	1	5/3/2021 6:53:41 PM
Benzo(k)fluoranthene	ND	20.3		µg/Kg-dry	1	5/3/2021 6:53:41 PM
Benzo(a)pyrene	ND	20.3		µg/Kg-dry	1	5/3/2021 6:53:41 PM
Indeno(1,2,3-cd)pyrene	ND	40.6		µg/Kg-dry	1	5/3/2021 6:53:41 PM
Dibenz(a,h)anthracene	ND	40.6		µg/Kg-dry	1	5/3/2021 6:53:41 PM
Benzo(g,h,i)perylene	ND	20.3		µg/Kg-dry	1	5/3/2021 6:53:41 PM
Surr: 2-Fluorobiphenyl	71.3	19 - 135		%Rec	1	5/3/2021 6:53:41 PM
Surr: Terphenyl-d14 (surr)	83.1	42.9 - 156		%Rec	1	5/3/2021 6:53:41 PM
Gasoline by NWTPH-Gx				Batch ID: 32156		Analyst: KT
Gasoline	ND	3.30		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Surr: Toluene-d8	95.6	65 - 135		%Rec	1	5/4/2021 1:29:13 AM
Surr: 4-Bromofluorobenzene	91.4	65 - 135		%Rec	1	5/4/2021 1:29:13 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32156		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0330	Q	mg/Kg-dry	1	5/4/2021 1:29:13 AM
Chloromethane	ND	0.0528		mg/Kg-dry	1	5/4/2021 1:29:13 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 1:45:00 PM
Project: Swedish Block 95
Lab ID: 2104433-002
Matrix: Soil
Client Sample ID: B95-AB-08-6.5

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32156 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0165		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Bromomethane	ND	0.0990		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Trichlorofluoromethane (CFC-11)	ND	0.0330		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Chloroethane	ND	0.0792	Q	mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,1-Dichloroethene	ND	0.0396		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Acetone	ND	0.594		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Methylene chloride	0.0193	0.0132		mg/Kg-dry	1	5/4/2021 1:29:13 AM
trans-1,2-Dichloroethene	ND	0.0198		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Methyl tert-butyl ether (MTBE)	ND	0.0198		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,1-Dichloroethane	ND	0.0165		mg/Kg-dry	1	5/4/2021 1:29:13 AM
cis-1,2-Dichloroethene	ND	0.0165		mg/Kg-dry	1	5/4/2021 1:29:13 AM
(MEK) 2-Butanone	ND	0.297		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Chloroform	ND	0.0165		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,1,1-Trichloroethane (TCA)	ND	0.0165		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,1-Dichloropropene	ND	0.0165		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Carbon tetrachloride	ND	0.0495		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,2-Dichloroethane (EDC)	ND	0.0152		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Benzene	ND	0.0132		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Trichloroethene (TCE)	ND	0.0165		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,2-Dichloropropane	ND	0.0132		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Bromodichloromethane	ND	0.0165		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Dibromomethane	ND	0.0132		mg/Kg-dry	1	5/4/2021 1:29:13 AM
cis-1,3-Dichloropropene	ND	0.0528		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Toluene	ND	0.0429		mg/Kg-dry	1	5/4/2021 1:29:13 AM
trans-1,3-Dichloropropylene	ND	0.0330		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0495		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,1,2-Trichloroethane	ND	0.0112		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,3-Dichloropropane	ND	0.0132		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Tetrachloroethene (PCE)	ND	0.0264		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Dibromochloromethane	ND	0.0132		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,2-Dibromoethane (EDB)	ND	0.0132		mg/Kg-dry	1	5/4/2021 1:29:13 AM
methyl n-butyl ketone	ND	0.0396		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Chlorobenzene	ND	0.0165		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,1,1,2-Tetrachloroethane	ND	0.0132		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Ethylbenzene	ND	0.0165		mg/Kg-dry	1	5/4/2021 1:29:13 AM
m,p-Xylene	ND	0.0330		mg/Kg-dry	1	5/4/2021 1:29:13 AM
o-Xylene	ND	0.0165		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Styrene	ND	0.0165		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Isopropylbenzene	ND	0.0198		mg/Kg-dry	1	5/4/2021 1:29:13 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 1:45:00 PM
Project: Swedish Block 95
Lab ID: 2104433-002
Matrix: Soil
Client Sample ID: B95-AB-08-6.5

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32156 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Bromoform	ND	0.0165		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,1,2,2-Tetrachloroethane	ND	0.00990		mg/Kg-dry	1	5/4/2021 1:29:13 AM
n-Propylbenzene	ND	0.0198		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Bromobenzene	ND	0.0198		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,3,5-Trimethylbenzene	ND	0.0165		mg/Kg-dry	1	5/4/2021 1:29:13 AM
2-Chlorotoluene	ND	0.0198		mg/Kg-dry	1	5/4/2021 1:29:13 AM
4-Chlorotoluene	ND	0.0198		mg/Kg-dry	1	5/4/2021 1:29:13 AM
tert-Butylbenzene	ND	0.0198		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,2,3-Trichloropropane	ND	0.0165		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,2,4-Trichlorobenzene	ND	0.0264		mg/Kg-dry	1	5/4/2021 1:29:13 AM
sec-Butylbenzene	ND	0.0198		mg/Kg-dry	1	5/4/2021 1:29:13 AM
4-Isopropyltoluene	ND	0.0198		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,3-Dichlorobenzene	ND	0.0231		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,4-Dichlorobenzene	ND	0.0198		mg/Kg-dry	1	5/4/2021 1:29:13 AM
n-Butylbenzene	ND	0.0264		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,2-Dichlorobenzene	ND	0.0198		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,2-Dibromo-3-chloropropane	ND	0.0396		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,2,4-Trimethylbenzene	ND	0.0165		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Hexachloro-1,3-butadiene	ND	0.0330		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Naphthalene	ND	0.0660		mg/Kg-dry	1	5/4/2021 1:29:13 AM
1,2,3-Trichlorobenzene	ND	0.0330		mg/Kg-dry	1	5/4/2021 1:29:13 AM
Surr: Dibromofluoromethane	98.0	81.9 - 113		%Rec	1	5/4/2021 1:29:13 AM
Surr: Toluene-d8	99.2	82.7 - 115		%Rec	1	5/4/2021 1:29:13 AM
Surr: 1-Bromo-4-fluorobenzene	94.0	87.9 - 109		%Rec	1	5/4/2021 1:29:13 AM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Mercury by EPA Method 7471

Batch ID: 32228 Analyst: LB

Mercury	ND	0.269		mg/Kg-dry	1	5/7/2021 2:30:43 PM

Total Metals by EPA Method 6020B

Batch ID: 32194 Analyst: EH

Arsenic	3.62	0.104		mg/Kg-dry	1	5/6/2021 3:37:33 PM
Barium	66.6	0.519		mg/Kg-dry	1	5/6/2021 3:37:33 PM
Cadmium	ND	0.173		mg/Kg-dry	1	5/6/2021 3:37:33 PM
Chromium	35.5	0.346		mg/Kg-dry	1	5/6/2021 3:37:33 PM
Lead	2.74	0.173		mg/Kg-dry	1	5/6/2021 3:37:33 PM
Selenium	1.16	0.173		mg/Kg-dry	1	5/6/2021 3:37:33 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 1:45:00 PM
Project: Swedish Block 95
Lab ID: 2104433-002
Matrix: Soil
Client Sample ID: B95-AB-08-6.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Silver	ND	0.130		mg/Kg-dry	1	5/6/2021 3:37:33 PM
Sample Moisture (Percent Moisture)				Batch ID: R67019		Analyst: KJ
Percent Moisture	9.04	0.500		wt%	1	5/5/2021 10:08:28 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 1:50:00 PM
Project: Swedish Block 95
Lab ID: 2104433-003
Matrix: Soil
Client Sample ID: B95-AB-08-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32198		Analyst: MM
Diesel (Fuel Oil)	ND	58.0		mg/Kg-dry	1	5/5/2021 4:52:26 PM
Heavy Oil	ND	116		mg/Kg-dry	1	5/5/2021 4:52:26 PM
Total Petroleum Hydrocarbons	ND	174		mg/Kg-dry	1	5/5/2021 4:52:26 PM
Surr: 2-Fluorobiphenyl	54.3	50 - 150		%Rec	1	5/5/2021 4:52:26 PM
Surr: o-Terphenyl	66.9	50 - 150		%Rec	1	5/5/2021 4:52:26 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	20.5		µg/Kg-dry	1	5/3/2021 7:15:11 PM
2-Methylnaphthalene	ND	20.5		µg/Kg-dry	1	5/3/2021 7:15:11 PM
1-Methylnaphthalene	ND	20.5		µg/Kg-dry	1	5/3/2021 7:15:11 PM
Acenaphthylene	ND	20.5		µg/Kg-dry	1	5/3/2021 7:15:11 PM
Acenaphthene	ND	20.5		µg/Kg-dry	1	5/3/2021 7:15:11 PM
Fluorene	ND	20.5		µg/Kg-dry	1	5/3/2021 7:15:11 PM
Phenanthrene	66.2	41.0		µg/Kg-dry	1	5/3/2021 7:15:11 PM
Anthracene	ND	41.0		µg/Kg-dry	1	5/3/2021 7:15:11 PM
Fluoranthene	88.4	41.0		µg/Kg-dry	1	5/3/2021 7:15:11 PM
Pyrene	97.0	41.0		µg/Kg-dry	1	5/3/2021 7:15:11 PM
Benz(a)anthracene	41.1	20.5		µg/Kg-dry	1	5/3/2021 7:15:11 PM
Chrysene	ND	41.0		µg/Kg-dry	1	5/3/2021 7:15:11 PM
Benzo(b)fluoranthene	22.2	20.5		µg/Kg-dry	1	5/3/2021 7:15:11 PM
Benzo(k)fluoranthene	33.9	20.5		µg/Kg-dry	1	5/3/2021 7:15:11 PM
Benzo(a)pyrene	40.1	20.5		µg/Kg-dry	1	5/3/2021 7:15:11 PM
Indeno(1,2,3-cd)pyrene	ND	41.0		µg/Kg-dry	1	5/3/2021 7:15:11 PM
Dibenz(a,h)anthracene	ND	41.0		µg/Kg-dry	1	5/3/2021 7:15:11 PM
Benzo(g,h,i)perylene	25.6	20.5		µg/Kg-dry	1	5/3/2021 7:15:11 PM
Surr: 2-Fluorobiphenyl	71.8	19 - 135		%Rec	1	5/3/2021 7:15:11 PM
Surr: Terphenyl-d14 (surr)	83.2	42.9 - 156		%Rec	1	5/3/2021 7:15:11 PM
Gasoline by NWTPH-Gx				Batch ID: 32156		Analyst: KT
Gasoline	ND	4.56		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Surr: Toluene-d8	94.9	65 - 135		%Rec	1	5/4/2021 1:59:23 AM
Surr: 4-Bromofluorobenzene	92.0	65 - 135		%Rec	1	5/4/2021 1:59:23 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32156		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0456	Q	mg/Kg-dry	1	5/4/2021 1:59:23 AM
Chloromethane	ND	0.0730		mg/Kg-dry	1	5/4/2021 1:59:23 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 1:50:00 PM
Project: Swedish Block 95
Lab ID: 2104433-003
Matrix: Soil
Client Sample ID: B95-AB-08-9

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32156 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0228		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Bromomethane	ND	0.137		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Trichlorofluoromethane (CFC-11)	ND	0.0456		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Chloroethane	ND	0.109	Q	mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,1-Dichloroethene	ND	0.0547		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Acetone	ND	0.821		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Methylene chloride	ND	0.0182		mg/Kg-dry	1	5/4/2021 1:59:23 AM
trans-1,2-Dichloroethene	ND	0.0274		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Methyl tert-butyl ether (MTBE)	ND	0.0274		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,1-Dichloroethane	ND	0.0228		mg/Kg-dry	1	5/4/2021 1:59:23 AM
cis-1,2-Dichloroethene	ND	0.0228		mg/Kg-dry	1	5/4/2021 1:59:23 AM
(MEK) 2-Butanone	ND	0.411		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Chloroform	ND	0.0228		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,1,1-Trichloroethane (TCA)	ND	0.0228		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,1-Dichloropropene	ND	0.0228		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Carbon tetrachloride	ND	0.0684		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,2-Dichloroethane (EDC)	ND	0.0210		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Benzene	ND	0.0182		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Trichloroethene (TCE)	ND	0.0228		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,2-Dichloropropane	ND	0.0182		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Bromodichloromethane	ND	0.0228		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Dibromomethane	ND	0.0182		mg/Kg-dry	1	5/4/2021 1:59:23 AM
cis-1,3-Dichloropropene	ND	0.0730		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Toluene	ND	0.0593		mg/Kg-dry	1	5/4/2021 1:59:23 AM
trans-1,3-Dichloropropylene	ND	0.0456		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0684		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,1,2-Trichloroethane	ND	0.0155		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,3-Dichloropropane	ND	0.0182		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Tetrachloroethene (PCE)	ND	0.0365		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Dibromochloromethane	ND	0.0182		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,2-Dibromoethane (EDB)	ND	0.0182		mg/Kg-dry	1	5/4/2021 1:59:23 AM
methyl n-butyl ketone	ND	0.0547		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Chlorobenzene	ND	0.0228		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,1,1,2-Tetrachloroethane	ND	0.0182		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Ethylbenzene	ND	0.0228		mg/Kg-dry	1	5/4/2021 1:59:23 AM
m,p-Xylene	ND	0.0456		mg/Kg-dry	1	5/4/2021 1:59:23 AM
o-Xylene	ND	0.0228		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Styrene	ND	0.0228		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Isopropylbenzene	ND	0.0274		mg/Kg-dry	1	5/4/2021 1:59:23 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 1:50:00 PM
Project: Swedish Block 95
Lab ID: 2104433-003
Matrix: Soil
Client Sample ID: B95-AB-08-9

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32156 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Bromoform	ND	0.0228		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,1,2,2-Tetrachloroethane	ND	0.0137		mg/Kg-dry	1	5/4/2021 1:59:23 AM
n-Propylbenzene	ND	0.0274		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Bromobenzene	ND	0.0274		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,3,5-Trimethylbenzene	ND	0.0228		mg/Kg-dry	1	5/4/2021 1:59:23 AM
2-Chlorotoluene	ND	0.0274		mg/Kg-dry	1	5/4/2021 1:59:23 AM
4-Chlorotoluene	ND	0.0274		mg/Kg-dry	1	5/4/2021 1:59:23 AM
tert-Butylbenzene	ND	0.0274		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,2,3-Trichloropropane	ND	0.0228		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,2,4-Trichlorobenzene	ND	0.0365		mg/Kg-dry	1	5/4/2021 1:59:23 AM
sec-Butylbenzene	ND	0.0274		mg/Kg-dry	1	5/4/2021 1:59:23 AM
4-Isopropyltoluene	ND	0.0274		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,3-Dichlorobenzene	ND	0.0319		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,4-Dichlorobenzene	ND	0.0274		mg/Kg-dry	1	5/4/2021 1:59:23 AM
n-Butylbenzene	ND	0.0365		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,2-Dichlorobenzene	ND	0.0274		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,2-Dibromo-3-chloropropane	ND	0.0547		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,2,4-Trimethylbenzene	ND	0.0228		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Hexachloro-1,3-butadiene	ND	0.0456		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Naphthalene	ND	0.0912		mg/Kg-dry	1	5/4/2021 1:59:23 AM
1,2,3-Trichlorobenzene	ND	0.0456		mg/Kg-dry	1	5/4/2021 1:59:23 AM
Surr: Dibromofluoromethane	98.3	81.9 - 113		%Rec	1	5/4/2021 1:59:23 AM
Surr: Toluene-d8	97.7	82.7 - 115		%Rec	1	5/4/2021 1:59:23 AM
Surr: 1-Bromo-4-fluorobenzene	94.5	87.9 - 109		%Rec	1	5/4/2021 1:59:23 AM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Mercury by EPA Method 7471

Batch ID: 32228 Analyst: LB

Mercury	ND	0.264		mg/Kg-dry	1	5/7/2021 2:40:25 PM

Total Metals by EPA Method 6020B

Batch ID: 32194 Analyst: EH

Arsenic	9.07	0.105		mg/Kg-dry	1	5/6/2021 4:05:21 PM
Barium	110	0.523		mg/Kg-dry	1	5/6/2021 4:05:21 PM
Cadmium	ND	0.174		mg/Kg-dry	1	5/6/2021 4:05:21 PM
Chromium	44.8	0.349		mg/Kg-dry	1	5/6/2021 4:05:21 PM
Lead	10.9	0.174		mg/Kg-dry	1	5/6/2021 4:05:21 PM
Selenium	1.10	0.174		mg/Kg-dry	1	5/6/2021 4:05:21 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 1:50:00 PM
Project: Swedish Block 95
Lab ID: 2104433-003
Matrix: Soil
Client Sample ID: B95-AB-08-9

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Silver	ND	0.131		mg/Kg-dry	1	5/6/2021 4:05:21 PM
Sample Moisture (Percent Moisture)				Batch ID: R67019		Analyst: KJ
Percent Moisture	13.8	0.500		wt%	1	5/5/2021 10:08:28 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 2:05:00 PM
Project: Swedish Block 95
Lab ID: 2104433-005
Matrix: Soil
Client Sample ID: B95-AB-08-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32198		Analyst: MM
Diesel (Fuel Oil)	ND	52.0		mg/Kg-dry	1	5/5/2021 1:54:25 PM
Heavy Oil	ND	104		mg/Kg-dry	1	5/5/2021 1:54:25 PM
Total Petroleum Hydrocarbons	ND	156		mg/Kg-dry	1	5/5/2021 1:54:25 PM
Surr: 2-Fluorobiphenyl	70.6	50 - 150		%Rec	1	5/5/2021 1:54:25 PM
Surr: o-Terphenyl	79.9	50 - 150		%Rec	1	5/5/2021 1:54:25 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	20.1		µg/Kg-dry	1	5/3/2021 7:36:37 PM
2-Methylnaphthalene	ND	20.1		µg/Kg-dry	1	5/3/2021 7:36:37 PM
1-Methylnaphthalene	ND	20.1		µg/Kg-dry	1	5/3/2021 7:36:37 PM
Acenaphthylene	ND	20.1		µg/Kg-dry	1	5/3/2021 7:36:37 PM
Acenaphthene	ND	20.1		µg/Kg-dry	1	5/3/2021 7:36:37 PM
Fluorene	ND	20.1		µg/Kg-dry	1	5/3/2021 7:36:37 PM
Phenanthrene	ND	40.2		µg/Kg-dry	1	5/3/2021 7:36:37 PM
Anthracene	ND	40.2		µg/Kg-dry	1	5/3/2021 7:36:37 PM
Fluoranthene	ND	40.2		µg/Kg-dry	1	5/3/2021 7:36:37 PM
Pyrene	ND	40.2		µg/Kg-dry	1	5/3/2021 7:36:37 PM
Benz(a)anthracene	ND	20.1		µg/Kg-dry	1	5/3/2021 7:36:37 PM
Chrysene	ND	40.2		µg/Kg-dry	1	5/3/2021 7:36:37 PM
Benzo(b)fluoranthene	ND	20.1		µg/Kg-dry	1	5/3/2021 7:36:37 PM
Benzo(k)fluoranthene	ND	20.1		µg/Kg-dry	1	5/3/2021 7:36:37 PM
Benzo(a)pyrene	ND	20.1		µg/Kg-dry	1	5/3/2021 7:36:37 PM
Indeno(1,2,3-cd)pyrene	ND	40.2		µg/Kg-dry	1	5/3/2021 7:36:37 PM
Dibenz(a,h)anthracene	ND	40.2		µg/Kg-dry	1	5/3/2021 7:36:37 PM
Benzo(g,h,i)perylene	ND	20.1		µg/Kg-dry	1	5/3/2021 7:36:37 PM
Surr: 2-Fluorobiphenyl	70.6	19 - 135		%Rec	1	5/3/2021 7:36:37 PM
Surr: Terphenyl-d14 (surr)	82.9	42.9 - 156		%Rec	1	5/3/2021 7:36:37 PM
Gasoline by NWTPH-Gx				Batch ID: 32156		Analyst: KT
Gasoline	ND	4.55		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Surr: Toluene-d8	95.2	65 - 135		%Rec	1	5/4/2021 2:29:31 AM
Surr: 4-Bromofluorobenzene	91.3	65 - 135		%Rec	1	5/4/2021 2:29:31 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32156		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0455	Q	mg/Kg-dry	1	5/4/2021 2:29:31 AM
Chloromethane	ND	0.0728		mg/Kg-dry	1	5/4/2021 2:29:31 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 2:05:00 PM
Project: Swedish Block 95
Lab ID: 2104433-005
Matrix: Soil
Client Sample ID: B95-AB-08-18

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32156 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0228		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Bromomethane	ND	0.137		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Trichlorofluoromethane (CFC-11)	ND	0.0455		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Chloroethane	ND	0.109	Q	mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,1-Dichloroethene	ND	0.0546		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Acetone	ND	0.819		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Methylene chloride	ND	0.0182		mg/Kg-dry	1	5/4/2021 2:29:31 AM
trans-1,2-Dichloroethene	ND	0.0273		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Methyl tert-butyl ether (MTBE)	ND	0.0273		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,1-Dichloroethane	ND	0.0228		mg/Kg-dry	1	5/4/2021 2:29:31 AM
cis-1,2-Dichloroethene	ND	0.0228		mg/Kg-dry	1	5/4/2021 2:29:31 AM
(MEK) 2-Butanone	ND	0.410		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Chloroform	ND	0.0228		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,1,1-Trichloroethane (TCA)	ND	0.0228		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,1-Dichloropropene	ND	0.0228		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Carbon tetrachloride	ND	0.0683		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,2-Dichloroethane (EDC)	ND	0.0209		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Benzene	ND	0.0182		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Trichloroethene (TCE)	ND	0.0228		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,2-Dichloropropane	ND	0.0182		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Bromodichloromethane	ND	0.0228		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Dibromomethane	ND	0.0182		mg/Kg-dry	1	5/4/2021 2:29:31 AM
cis-1,3-Dichloropropene	ND	0.0728		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Toluene	ND	0.0592		mg/Kg-dry	1	5/4/2021 2:29:31 AM
trans-1,3-Dichloropropylene	ND	0.0455		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0683		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,1,2-Trichloroethane	ND	0.0155		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,3-Dichloropropane	ND	0.0182		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Tetrachloroethene (PCE)	ND	0.0364		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Dibromochloromethane	ND	0.0182		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,2-Dibromoethane (EDB)	ND	0.0182		mg/Kg-dry	1	5/4/2021 2:29:31 AM
methyl n-butyl ketone	ND	0.0546		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Chlorobenzene	ND	0.0228		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,1,1,2-Tetrachloroethane	ND	0.0182		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Ethylbenzene	ND	0.0228		mg/Kg-dry	1	5/4/2021 2:29:31 AM
m,p-Xylene	ND	0.0455		mg/Kg-dry	1	5/4/2021 2:29:31 AM
o-Xylene	ND	0.0228		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Styrene	ND	0.0228		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Isopropylbenzene	ND	0.0273		mg/Kg-dry	1	5/4/2021 2:29:31 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 2:05:00 PM
Project: Swedish Block 95
Lab ID: 2104433-005
Matrix: Soil
Client Sample ID: B95-AB-08-18

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32156 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Bromoform	ND	0.0228		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,1,2,2-Tetrachloroethane	ND	0.0137		mg/Kg-dry	1	5/4/2021 2:29:31 AM
n-Propylbenzene	ND	0.0273		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Bromobenzene	ND	0.0273		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,3,5-Trimethylbenzene	ND	0.0228		mg/Kg-dry	1	5/4/2021 2:29:31 AM
2-Chlorotoluene	ND	0.0273		mg/Kg-dry	1	5/4/2021 2:29:31 AM
4-Chlorotoluene	ND	0.0273		mg/Kg-dry	1	5/4/2021 2:29:31 AM
tert-Butylbenzene	ND	0.0273		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,2,3-Trichloropropane	ND	0.0228		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,2,4-Trichlorobenzene	ND	0.0364		mg/Kg-dry	1	5/4/2021 2:29:31 AM
sec-Butylbenzene	ND	0.0273		mg/Kg-dry	1	5/4/2021 2:29:31 AM
4-Isopropyltoluene	ND	0.0273		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,3-Dichlorobenzene	ND	0.0319		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,4-Dichlorobenzene	ND	0.0273		mg/Kg-dry	1	5/4/2021 2:29:31 AM
n-Butylbenzene	ND	0.0364		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,2-Dichlorobenzene	ND	0.0273		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,2-Dibromo-3-chloropropane	ND	0.0546		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,2,4-Trimethylbenzene	ND	0.0228		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Hexachloro-1,3-butadiene	ND	0.0455		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Naphthalene	ND	0.0910		mg/Kg-dry	1	5/4/2021 2:29:31 AM
1,2,3-Trichlorobenzene	ND	0.0455		mg/Kg-dry	1	5/4/2021 2:29:31 AM
Surr: Dibromofluoromethane	97.9	81.9 - 113		%Rec	1	5/4/2021 2:29:31 AM
Surr: Toluene-d8	97.9	82.7 - 115		%Rec	1	5/4/2021 2:29:31 AM
Surr: 1-Bromo-4-fluorobenzene	93.8	87.9 - 109		%Rec	1	5/4/2021 2:29:31 AM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Mercury by EPA Method 7471

Batch ID: 32228 Analyst: LB

Mercury	ND	0.256		mg/Kg-dry	1	5/7/2021 2:42:01 PM

Total Metals by EPA Method 6020B

Batch ID: 32194 Analyst: EH

Arsenic	2.50	0.111		mg/Kg-dry	1	5/6/2021 4:10:54 PM
Barium	60.2	0.556		mg/Kg-dry	1	5/6/2021 4:10:54 PM
Cadmium	ND	0.185		mg/Kg-dry	1	5/6/2021 4:10:54 PM
Chromium	28.5	0.371		mg/Kg-dry	1	5/6/2021 4:10:54 PM
Lead	1.94	0.185		mg/Kg-dry	1	5/6/2021 4:10:54 PM
Selenium	0.969	0.185		mg/Kg-dry	1	5/6/2021 4:10:54 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 2:05:00 PM
Project: Swedish Block 95
Lab ID: 2104433-005
Matrix: Soil
Client Sample ID: B95-AB-08-18

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Silver	ND	0.139		mg/Kg-dry	1	5/6/2021 4:10:54 PM
Sample Moisture (Percent Moisture)				Batch ID: R67019		Analyst: KJ
Percent Moisture	15.7	0.500		wt%	1	5/5/2021 10:08:28 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 2:10:00 PM
Project: Swedish Block 95
Lab ID: 2104433-006
Matrix: Soil
Client Sample ID: B95-AB-08-22.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32316		Analyst: IH
Benz(a)anthracene	ND	20.0	H	µg/Kg-dry	1	5/14/2021 7:28:39 PM
Chrysene	ND	40.0	H	µg/Kg-dry	1	5/14/2021 7:28:39 PM
Benzo(b)fluoranthene	ND	20.0	H	µg/Kg-dry	1	5/14/2021 7:28:39 PM
Benzo(k)fluoranthene	ND	20.0	H	µg/Kg-dry	1	5/14/2021 7:28:39 PM
Benzo(a)pyrene	ND	20.0	H	µg/Kg-dry	1	5/14/2021 7:28:39 PM
Indeno(1,2,3-cd)pyrene	ND	40.0	H	µg/Kg-dry	1	5/14/2021 7:28:39 PM
Dibenz(a,h)anthracene	ND	40.0	H	µg/Kg-dry	1	5/14/2021 7:28:39 PM
Surr: 2-Fluorobiphenyl	82.9	19 - 135	H	%Rec	1	5/14/2021 7:28:39 PM
Surr: Terphenyl-d14 (surr)	98.4	42.9 - 156	H	%Rec	1	5/14/2021 7:28:39 PM
Sample Moisture (Percent Moisture)				Batch ID: R67312		Analyst: KJ
Percent Moisture	8.52	0.500		wt%	1	5/18/2021 3:12:55 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 10:50:00 AM
Project: Swedish Block 95
Lab ID: 2104433-007
Matrix: Soil
Client Sample ID: B95-AB-05-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32198		Analyst: MM
Diesel (Fuel Oil)	ND	49.0		mg/Kg-dry	1	5/5/2021 2:07:04 PM
Heavy Oil	ND	98.0		mg/Kg-dry	1	5/5/2021 2:07:04 PM
Total Petroleum Hydrocarbons	ND	147		mg/Kg-dry	1	5/5/2021 2:07:04 PM
Surr: 2-Fluorobiphenyl	86.0	50 - 150		%Rec	1	5/5/2021 2:07:04 PM
Surr: o-Terphenyl	92.2	50 - 150		%Rec	1	5/5/2021 2:07:04 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	18.8		µg/Kg-dry	1	5/3/2021 7:58:01 PM
2-Methylnaphthalene	ND	18.8		µg/Kg-dry	1	5/3/2021 7:58:01 PM
1-Methylnaphthalene	ND	18.8		µg/Kg-dry	1	5/3/2021 7:58:01 PM
Acenaphthylene	ND	18.8		µg/Kg-dry	1	5/3/2021 7:58:01 PM
Acenaphthene	ND	18.8		µg/Kg-dry	1	5/3/2021 7:58:01 PM
Fluorene	ND	18.8		µg/Kg-dry	1	5/3/2021 7:58:01 PM
Phenanthrene	ND	37.6		µg/Kg-dry	1	5/3/2021 7:58:01 PM
Anthracene	ND	37.6		µg/Kg-dry	1	5/3/2021 7:58:01 PM
Fluoranthene	ND	37.6		µg/Kg-dry	1	5/3/2021 7:58:01 PM
Pyrene	ND	37.6		µg/Kg-dry	1	5/3/2021 7:58:01 PM
Benz(a)anthracene	ND	18.8		µg/Kg-dry	1	5/3/2021 7:58:01 PM
Chrysene	ND	37.6		µg/Kg-dry	1	5/3/2021 7:58:01 PM
Benzo(b)fluoranthene	ND	18.8		µg/Kg-dry	1	5/3/2021 7:58:01 PM
Benzo(k)fluoranthene	ND	18.8		µg/Kg-dry	1	5/3/2021 7:58:01 PM
Benzo(a)pyrene	ND	18.8		µg/Kg-dry	1	5/3/2021 7:58:01 PM
Indeno(1,2,3-cd)pyrene	ND	37.6		µg/Kg-dry	1	5/3/2021 7:58:01 PM
Dibenz(a,h)anthracene	ND	37.6		µg/Kg-dry	1	5/3/2021 7:58:01 PM
Benzo(g,h,i)perylene	ND	18.8		µg/Kg-dry	1	5/3/2021 7:58:01 PM
Surr: 2-Fluorobiphenyl	74.8	19 - 135		%Rec	1	5/3/2021 7:58:01 PM
Surr: Terphenyl-d14 (surr)	85.3	42.9 - 156		%Rec	1	5/3/2021 7:58:01 PM
Gasoline by NWTPH-Gx				Batch ID: 32156		Analyst: KT
Gasoline	ND	5.08		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Surr: Toluene-d8	94.6	65 - 135		%Rec	1	5/4/2021 2:59:39 AM
Surr: 4-Bromofluorobenzene	89.2	65 - 135		%Rec	1	5/4/2021 2:59:39 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32156		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0508	Q	mg/Kg-dry	1	5/4/2021 2:59:39 AM
Chloromethane	ND	0.0813		mg/Kg-dry	1	5/4/2021 2:59:39 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 10:50:00 AM
Project: Swedish Block 95
Lab ID: 2104433-007
Matrix: Soil
Client Sample ID: B95-AB-05-7

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32156 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0254		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Bromomethane	ND	0.153		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Trichlorofluoromethane (CFC-11)	ND	0.0508		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Chloroethane	ND	0.122	Q	mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,1-Dichloroethene	ND	0.0610		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Acetone	ND	0.915		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Methylene chloride	0.0287	0.0203		mg/Kg-dry	1	5/4/2021 2:59:39 AM
trans-1,2-Dichloroethene	ND	0.0305		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Methyl tert-butyl ether (MTBE)	ND	0.0305		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,1-Dichloroethane	ND	0.0254		mg/Kg-dry	1	5/4/2021 2:59:39 AM
cis-1,2-Dichloroethene	ND	0.0254		mg/Kg-dry	1	5/4/2021 2:59:39 AM
(MEK) 2-Butanone	ND	0.458		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Chloroform	ND	0.0254		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,1,1-Trichloroethane (TCA)	ND	0.0254		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,1-Dichloropropene	ND	0.0254		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Carbon tetrachloride	ND	0.0763		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,2-Dichloroethane (EDC)	ND	0.0234		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Benzene	ND	0.0203		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Trichloroethene (TCE)	ND	0.0254		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,2-Dichloropropane	ND	0.0203		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Bromodichloromethane	ND	0.0254		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Dibromomethane	ND	0.0203		mg/Kg-dry	1	5/4/2021 2:59:39 AM
cis-1,3-Dichloropropene	ND	0.0813		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Toluene	ND	0.0661		mg/Kg-dry	1	5/4/2021 2:59:39 AM
trans-1,3-Dichloropropylene	ND	0.0508		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0763		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,1,2-Trichloroethane	ND	0.0173		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,3-Dichloropropane	ND	0.0203		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Tetrachloroethene (PCE)	ND	0.0407		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Dibromochloromethane	ND	0.0203		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,2-Dibromoethane (EDB)	ND	0.0203		mg/Kg-dry	1	5/4/2021 2:59:39 AM
methyl n-butyl ketone	ND	0.0610		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Chlorobenzene	ND	0.0254		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,1,1,2-Tetrachloroethane	ND	0.0203		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Ethylbenzene	ND	0.0254		mg/Kg-dry	1	5/4/2021 2:59:39 AM
m,p-Xylene	ND	0.0508		mg/Kg-dry	1	5/4/2021 2:59:39 AM
o-Xylene	ND	0.0254		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Styrene	ND	0.0254		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Isopropylbenzene	ND	0.0305		mg/Kg-dry	1	5/4/2021 2:59:39 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 10:50:00 AM
Project: Swedish Block 95
Lab ID: 2104433-007
Matrix: Soil
Client Sample ID: B95-AB-05-7

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32156 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Bromoform	ND	0.0254		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,1,2,2-Tetrachloroethane	ND	0.0153		mg/Kg-dry	1	5/4/2021 2:59:39 AM
n-Propylbenzene	ND	0.0305		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Bromobenzene	ND	0.0305		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,3,5-Trimethylbenzene	ND	0.0254		mg/Kg-dry	1	5/4/2021 2:59:39 AM
2-Chlorotoluene	ND	0.0305		mg/Kg-dry	1	5/4/2021 2:59:39 AM
4-Chlorotoluene	ND	0.0305		mg/Kg-dry	1	5/4/2021 2:59:39 AM
tert-Butylbenzene	ND	0.0305		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,2,3-Trichloropropane	ND	0.0254		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,2,4-Trichlorobenzene	ND	0.0407		mg/Kg-dry	1	5/4/2021 2:59:39 AM
sec-Butylbenzene	ND	0.0305		mg/Kg-dry	1	5/4/2021 2:59:39 AM
4-Isopropyltoluene	ND	0.0305		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,3-Dichlorobenzene	ND	0.0356		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,4-Dichlorobenzene	ND	0.0305		mg/Kg-dry	1	5/4/2021 2:59:39 AM
n-Butylbenzene	ND	0.0407		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,2-Dichlorobenzene	ND	0.0305		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,2-Dibromo-3-chloropropane	ND	0.0610		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,2,4-Trimethylbenzene	ND	0.0254		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Hexachloro-1,3-butadiene	ND	0.0508		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Naphthalene	ND	0.102		mg/Kg-dry	1	5/4/2021 2:59:39 AM
1,2,3-Trichlorobenzene	ND	0.0508		mg/Kg-dry	1	5/4/2021 2:59:39 AM
Surr: Dibromofluoromethane	96.1	81.9 - 113		%Rec	1	5/4/2021 2:59:39 AM
Surr: Toluene-d8	98.0	82.7 - 115		%Rec	1	5/4/2021 2:59:39 AM
Surr: 1-Bromo-4-fluorobenzene	91.7	87.9 - 109		%Rec	1	5/4/2021 2:59:39 AM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Mercury by EPA Method 7471

Batch ID: 32228 Analyst: LB

Mercury	ND	0.239		mg/Kg-dry	1	5/7/2021 2:43:37 PM

Total Metals by EPA Method 6020B

Batch ID: 32194 Analyst: EH

Arsenic	3.86	0.0961		mg/Kg-dry	1	5/6/2021 4:16:28 PM
Barium	60.5	0.480		mg/Kg-dry	1	5/6/2021 4:16:28 PM
Cadmium	ND	0.160		mg/Kg-dry	1	5/6/2021 4:16:28 PM
Chromium	32.9	0.320		mg/Kg-dry	1	5/6/2021 4:16:28 PM
Lead	1.98	0.160		mg/Kg-dry	1	5/6/2021 4:16:28 PM
Selenium	0.930	0.160		mg/Kg-dry	1	5/6/2021 4:16:28 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 10:50:00 AM
Project: Swedish Block 95
Lab ID: 2104433-007
Matrix: Soil
Client Sample ID: B95-AB-05-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Silver	ND	0.120		mg/Kg-dry	1	5/6/2021 4:16:28 PM
Sample Moisture (Percent Moisture)				Batch ID: R67019		Analyst: KJ
Percent Moisture	3.19	0.500		wt%	1	5/5/2021 10:08:28 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 11:40:00 AM
Project: Swedish Block 95
Lab ID: 2104433-009
Matrix: Soil
Client Sample ID: B95-AB-05-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32198		Analyst: MM
Diesel (Fuel Oil)	ND	54.5		mg/Kg-dry	1	5/5/2021 2:19:43 PM
Heavy Oil	ND	109		mg/Kg-dry	1	5/5/2021 2:19:43 PM
Total Petroleum Hydrocarbons	ND	163		mg/Kg-dry	1	5/5/2021 2:19:43 PM
Surr: 2-Fluorobiphenyl	83.9	50 - 150		%Rec	1	5/5/2021 2:19:43 PM
Surr: o-Terphenyl	90.7	50 - 150		%Rec	1	5/5/2021 2:19:43 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	19.6		µg/Kg-dry	1	5/3/2021 8:19:29 PM
2-Methylnaphthalene	ND	19.6		µg/Kg-dry	1	5/3/2021 8:19:29 PM
1-Methylnaphthalene	ND	19.6		µg/Kg-dry	1	5/3/2021 8:19:29 PM
Acenaphthylene	ND	19.6		µg/Kg-dry	1	5/3/2021 8:19:29 PM
Acenaphthene	ND	19.6		µg/Kg-dry	1	5/3/2021 8:19:29 PM
Fluorene	ND	19.6		µg/Kg-dry	1	5/3/2021 8:19:29 PM
Phenanthrene	ND	39.3		µg/Kg-dry	1	5/3/2021 8:19:29 PM
Anthracene	ND	39.3		µg/Kg-dry	1	5/3/2021 8:19:29 PM
Fluoranthene	ND	39.3		µg/Kg-dry	1	5/3/2021 8:19:29 PM
Pyrene	ND	39.3		µg/Kg-dry	1	5/3/2021 8:19:29 PM
Benz(a)anthracene	ND	19.6		µg/Kg-dry	1	5/3/2021 8:19:29 PM
Chrysene	ND	39.3		µg/Kg-dry	1	5/3/2021 8:19:29 PM
Benzo(b)fluoranthene	ND	19.6		µg/Kg-dry	1	5/3/2021 8:19:29 PM
Benzo(k)fluoranthene	ND	19.6		µg/Kg-dry	1	5/3/2021 8:19:29 PM
Benzo(a)pyrene	ND	19.6		µg/Kg-dry	1	5/3/2021 8:19:29 PM
Indeno(1,2,3-cd)pyrene	ND	39.3		µg/Kg-dry	1	5/3/2021 8:19:29 PM
Dibenz(a,h)anthracene	ND	39.3		µg/Kg-dry	1	5/3/2021 8:19:29 PM
Benzo(g,h,i)perylene	ND	19.6		µg/Kg-dry	1	5/3/2021 8:19:29 PM
Surr: 2-Fluorobiphenyl	70.2	19 - 135		%Rec	1	5/3/2021 8:19:29 PM
Surr: Terphenyl-d14 (surr)	81.4	42.9 - 156		%Rec	1	5/3/2021 8:19:29 PM
Gasoline by NWTPH-Gx				Batch ID: 32175		Analyst: KT
Gasoline	ND	3.67		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Surr: Toluene-d8	95.0	65 - 135		%Rec	1	5/4/2021 7:22:02 PM
Surr: 4-Bromofluorobenzene	92.8	65 - 135		%Rec	1	5/4/2021 7:22:02 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32175		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0367		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Chloromethane	ND	0.0587		mg/Kg-dry	1	5/4/2021 7:22:02 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 11:40:00 AM
Project: Swedish Block 95
Lab ID: 2104433-009
Matrix: Soil
Client Sample ID: B95-AB-05-14

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32175 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0183		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Bromomethane	ND	0.110		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Trichlorofluoromethane (CFC-11)	ND	0.0367		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Chloroethane	ND	0.0880		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,1-Dichloroethene	ND	0.0440		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Acetone	ND	0.660		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Methylene chloride	ND	0.0147		mg/Kg-dry	1	5/4/2021 7:22:02 PM
trans-1,2-Dichloroethene	ND	0.0220		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Methyl tert-butyl ether (MTBE)	ND	0.0220		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,1-Dichloroethane	ND	0.0183		mg/Kg-dry	1	5/4/2021 7:22:02 PM
cis-1,2-Dichloroethene	ND	0.0183		mg/Kg-dry	1	5/4/2021 7:22:02 PM
(MEK) 2-Butanone	ND	0.330		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Chloroform	ND	0.0183		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,1,1-Trichloroethane (TCA)	ND	0.0183		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,1-Dichloropropene	ND	0.0183		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Carbon tetrachloride	ND	0.0550		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,2-Dichloroethane (EDC)	ND	0.0169		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Benzene	ND	0.0147		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Trichloroethene (TCE)	ND	0.0183		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,2-Dichloropropane	ND	0.0147		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Bromodichloromethane	ND	0.0183		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Dibromomethane	ND	0.0147		mg/Kg-dry	1	5/4/2021 7:22:02 PM
cis-1,3-Dichloropropene	ND	0.0587		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Toluene	ND	0.0477		mg/Kg-dry	1	5/4/2021 7:22:02 PM
trans-1,3-Dichloropropylene	ND	0.0367		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0550		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,1,2-Trichloroethane	ND	0.0125		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,3-Dichloropropane	ND	0.0147		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Tetrachloroethene (PCE)	ND	0.0293		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Dibromochloromethane	ND	0.0147		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,2-Dibromoethane (EDB)	ND	0.0147		mg/Kg-dry	1	5/4/2021 7:22:02 PM
methyl n-butyl ketone	ND	0.0440		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Chlorobenzene	ND	0.0183		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,1,1,2-Tetrachloroethane	ND	0.0147		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Ethylbenzene	ND	0.0183		mg/Kg-dry	1	5/4/2021 7:22:02 PM
m,p-Xylene	ND	0.0367		mg/Kg-dry	1	5/4/2021 7:22:02 PM
o-Xylene	ND	0.0183		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Styrene	ND	0.0183		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Isopropylbenzene	ND	0.0220		mg/Kg-dry	1	5/4/2021 7:22:02 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 11:40:00 AM
Project: Swedish Block 95
Lab ID: 2104433-009
Matrix: Soil
Client Sample ID: B95-AB-05-14

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32175 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Bromoform	ND	0.0183		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,1,2,2-Tetrachloroethane	ND	0.0110		mg/Kg-dry	1	5/4/2021 7:22:02 PM
n-Propylbenzene	ND	0.0220		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Bromobenzene	ND	0.0220		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,3,5-Trimethylbenzene	ND	0.0183		mg/Kg-dry	1	5/4/2021 7:22:02 PM
2-Chlorotoluene	ND	0.0220		mg/Kg-dry	1	5/4/2021 7:22:02 PM
4-Chlorotoluene	ND	0.0220		mg/Kg-dry	1	5/4/2021 7:22:02 PM
tert-Butylbenzene	ND	0.0220		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,2,3-Trichloropropane	ND	0.0183		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,2,4-Trichlorobenzene	ND	0.0293		mg/Kg-dry	1	5/4/2021 7:22:02 PM
sec-Butylbenzene	ND	0.0220		mg/Kg-dry	1	5/4/2021 7:22:02 PM
4-Isopropyltoluene	ND	0.0220		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,3-Dichlorobenzene	ND	0.0257		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,4-Dichlorobenzene	ND	0.0220		mg/Kg-dry	1	5/4/2021 7:22:02 PM
n-Butylbenzene	ND	0.0293		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,2-Dichlorobenzene	ND	0.0220		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,2-Dibromo-3-chloropropane	ND	0.0440		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,2,4-Trimethylbenzene	ND	0.0183		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Hexachloro-1,3-butadiene	ND	0.0367		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Naphthalene	ND	0.0733		mg/Kg-dry	1	5/4/2021 7:22:02 PM
1,2,3-Trichlorobenzene	ND	0.0367		mg/Kg-dry	1	5/4/2021 7:22:02 PM
Surr: Dibromofluoromethane	83.1	81.9 - 113		%Rec	1	5/4/2021 7:22:02 PM
Surr: Toluene-d8	122	82.7 - 115	S	%Rec	1	5/4/2021 7:22:02 PM
Surr: 1-Bromo-4-fluorobenzene	95.3	87.9 - 109		%Rec	1	5/4/2021 7:22:02 PM

NOTES:
S - Outlying surrogate recovery(ies) observed (high bias). Sample is non-detect.

Mercury by EPA Method 7471

Batch ID: 32228 Analyst: LB

Mercury	ND	0.260		mg/Kg-dry	1	5/7/2021 2:45:14 PM

Total Metals by EPA Method 6020B

Batch ID: 32194 Analyst: EH

Arsenic	3.03	0.103		mg/Kg-dry	1	5/6/2021 4:22:02 PM
Barium	48.1	0.517		mg/Kg-dry	1	5/6/2021 4:22:02 PM
Cadmium	ND	0.172		mg/Kg-dry	1	5/6/2021 4:22:02 PM
Chromium	35.0	0.345		mg/Kg-dry	1	5/6/2021 4:22:02 PM
Lead	1.89	0.172		mg/Kg-dry	1	5/6/2021 4:22:02 PM
Selenium	0.981	0.172		mg/Kg-dry	1	5/6/2021 4:22:02 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 11:40:00 AM
Project: Swedish Block 95
Lab ID: 2104433-009
Matrix: Soil
Client Sample ID: B95-AB-05-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Silver	ND	0.129		mg/Kg-dry	1	5/6/2021 4:22:02 PM
Sample Moisture (Percent Moisture)				Batch ID: R67019		Analyst: KJ
Percent Moisture	9.32	0.500		wt%	1	5/5/2021 10:08:28 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 11:55:00 AM
Project: Swedish Block 95
Lab ID: 2104433-011
Matrix: Soil
Client Sample ID: B95-AB-05-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32201		Analyst: MM
Diesel (Fuel Oil)	ND	51.7		mg/Kg-dry	1	5/5/2021 8:16:55 PM
Heavy Oil	ND	103		mg/Kg-dry	1	5/5/2021 8:16:55 PM
Total Petroleum Hydrocarbons	ND	155		mg/Kg-dry	1	5/5/2021 8:16:55 PM
Surr: 2-Fluorobiphenyl	80.0	50 - 150		%Rec	1	5/5/2021 8:16:55 PM
Surr: o-Terphenyl	86.7	50 - 150		%Rec	1	5/5/2021 8:16:55 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	19.9		µg/Kg-dry	1	5/3/2021 8:40:51 PM
2-Methylnaphthalene	ND	19.9		µg/Kg-dry	1	5/3/2021 8:40:51 PM
1-Methylnaphthalene	ND	19.9		µg/Kg-dry	1	5/3/2021 8:40:51 PM
Acenaphthylene	ND	19.9		µg/Kg-dry	1	5/3/2021 8:40:51 PM
Acenaphthene	ND	19.9		µg/Kg-dry	1	5/3/2021 8:40:51 PM
Fluorene	ND	19.9		µg/Kg-dry	1	5/3/2021 8:40:51 PM
Phenanthrene	ND	39.8		µg/Kg-dry	1	5/3/2021 8:40:51 PM
Anthracene	ND	39.8		µg/Kg-dry	1	5/3/2021 8:40:51 PM
Fluoranthene	ND	39.8		µg/Kg-dry	1	5/3/2021 8:40:51 PM
Pyrene	ND	39.8		µg/Kg-dry	1	5/3/2021 8:40:51 PM
Benz(a)anthracene	ND	19.9		µg/Kg-dry	1	5/3/2021 8:40:51 PM
Chrysene	ND	39.8		µg/Kg-dry	1	5/3/2021 8:40:51 PM
Benzo(b)fluoranthene	ND	19.9		µg/Kg-dry	1	5/3/2021 8:40:51 PM
Benzo(k)fluoranthene	ND	19.9		µg/Kg-dry	1	5/3/2021 8:40:51 PM
Benzo(a)pyrene	ND	19.9		µg/Kg-dry	1	5/3/2021 8:40:51 PM
Indeno(1,2,3-cd)pyrene	ND	39.8		µg/Kg-dry	1	5/3/2021 8:40:51 PM
Dibenz(a,h)anthracene	ND	39.8		µg/Kg-dry	1	5/3/2021 8:40:51 PM
Benzo(g,h,i)perylene	ND	19.9		µg/Kg-dry	1	5/3/2021 8:40:51 PM
Surr: 2-Fluorobiphenyl	67.3	19 - 135		%Rec	1	5/3/2021 8:40:51 PM
Surr: Terphenyl-d14 (surr)	76.3	42.9 - 156		%Rec	1	5/3/2021 8:40:51 PM
Gasoline by NWTPH-Gx				Batch ID: 32175		Analyst: KT
Gasoline	ND	3.35		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Surr: Toluene-d8	95.8	65 - 135		%Rec	1	5/4/2021 8:22:15 PM
Surr: 4-Bromofluorobenzene	91.1	65 - 135		%Rec	1	5/4/2021 8:22:15 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32175		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0335		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Chloromethane	ND	0.0537		mg/Kg-dry	1	5/4/2021 8:22:15 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 11:55:00 AM
Project: Swedish Block 95
Lab ID: 2104433-011
Matrix: Soil
Client Sample ID: B95-AB-05-22

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32175 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0168		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Bromomethane	ND	0.101		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Trichlorofluoromethane (CFC-11)	ND	0.0335		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Chloroethane	ND	0.0805		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,1-Dichloroethene	ND	0.0402		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Acetone	ND	0.604		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Methylene chloride	0.0223	0.0134		mg/Kg-dry	1	5/4/2021 8:22:15 PM
trans-1,2-Dichloroethene	ND	0.0201		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Methyl tert-butyl ether (MTBE)	ND	0.0201		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,1-Dichloroethane	ND	0.0168		mg/Kg-dry	1	5/4/2021 8:22:15 PM
cis-1,2-Dichloroethene	ND	0.0168		mg/Kg-dry	1	5/4/2021 8:22:15 PM
(MEK) 2-Butanone	ND	0.302		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Chloroform	ND	0.0168		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,1,1-Trichloroethane (TCA)	ND	0.0168		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,1-Dichloropropene	ND	0.0168		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Carbon tetrachloride	ND	0.0503		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,2-Dichloroethane (EDC)	ND	0.0154		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Benzene	ND	0.0134		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Trichloroethene (TCE)	ND	0.0168		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,2-Dichloropropane	ND	0.0134		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Bromodichloromethane	ND	0.0168		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Dibromomethane	ND	0.0134		mg/Kg-dry	1	5/4/2021 8:22:15 PM
cis-1,3-Dichloropropene	ND	0.0537		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Toluene	ND	0.0436		mg/Kg-dry	1	5/4/2021 8:22:15 PM
trans-1,3-Dichloropropylene	ND	0.0335		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0503		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,1,2-Trichloroethane	ND	0.0114		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,3-Dichloropropane	ND	0.0134		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Tetrachloroethene (PCE)	ND	0.0268		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Dibromochloromethane	ND	0.0134		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,2-Dibromoethane (EDB)	ND	0.0134		mg/Kg-dry	1	5/4/2021 8:22:15 PM
methyl n-butyl ketone	ND	0.0402		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Chlorobenzene	ND	0.0168		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,1,1,2-Tetrachloroethane	ND	0.0134		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Ethylbenzene	ND	0.0168		mg/Kg-dry	1	5/4/2021 8:22:15 PM
m,p-Xylene	ND	0.0335		mg/Kg-dry	1	5/4/2021 8:22:15 PM
o-Xylene	ND	0.0168		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Styrene	ND	0.0168		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Isopropylbenzene	ND	0.0201		mg/Kg-dry	1	5/4/2021 8:22:15 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 11:55:00 AM
Project: Swedish Block 95
Lab ID: 2104433-011
Matrix: Soil
Client Sample ID: B95-AB-05-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32175		Analyst: KT
Bromoform	ND	0.0168		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,1,2,2-Tetrachloroethane	ND	0.0101		mg/Kg-dry	1	5/4/2021 8:22:15 PM
n-Propylbenzene	ND	0.0201		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Bromobenzene	ND	0.0201		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,3,5-Trimethylbenzene	ND	0.0168		mg/Kg-dry	1	5/4/2021 8:22:15 PM
2-Chlorotoluene	ND	0.0201		mg/Kg-dry	1	5/4/2021 8:22:15 PM
4-Chlorotoluene	ND	0.0201		mg/Kg-dry	1	5/4/2021 8:22:15 PM
tert-Butylbenzene	ND	0.0201		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,2,3-Trichloropropane	ND	0.0168		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,2,4-Trichlorobenzene	ND	0.0268		mg/Kg-dry	1	5/4/2021 8:22:15 PM
sec-Butylbenzene	ND	0.0201		mg/Kg-dry	1	5/4/2021 8:22:15 PM
4-Isopropyltoluene	ND	0.0201		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,3-Dichlorobenzene	ND	0.0235		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,4-Dichlorobenzene	ND	0.0201		mg/Kg-dry	1	5/4/2021 8:22:15 PM
n-Butylbenzene	ND	0.0268		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,2-Dichlorobenzene	ND	0.0201		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,2-Dibromo-3-chloropropane	ND	0.0402		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,2,4-Trimethylbenzene	ND	0.0168		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Hexachloro-1,3-butadiene	ND	0.0335		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Naphthalene	ND	0.0671		mg/Kg-dry	1	5/4/2021 8:22:15 PM
1,2,3-Trichlorobenzene	ND	0.0335		mg/Kg-dry	1	5/4/2021 8:22:15 PM
Surr: Dibromofluoromethane	97.0	81.9 - 113		%Rec	1	5/4/2021 8:22:15 PM
Surr: Toluene-d8	96.5	82.7 - 115		%Rec	1	5/4/2021 8:22:15 PM
Surr: 1-Bromo-4-fluorobenzene	93.6	87.9 - 109		%Rec	1	5/4/2021 8:22:15 PM
Mercury by EPA Method 7471				Batch ID: 32228		Analyst: LB
Mercury	ND	0.261		mg/Kg-dry	1	5/7/2021 2:53:33 PM
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Arsenic	2.46	0.101		mg/Kg-dry	1	5/6/2021 4:27:35 PM
Barium	35.9	0.503		mg/Kg-dry	1	5/6/2021 4:27:35 PM
Cadmium	ND	0.168		mg/Kg-dry	1	5/6/2021 4:27:35 PM
Chromium	38.5	0.335		mg/Kg-dry	1	5/6/2021 4:27:35 PM
Lead	1.68	0.168		mg/Kg-dry	1	5/6/2021 4:27:35 PM
Selenium	0.821	0.168		mg/Kg-dry	1	5/6/2021 4:27:35 PM
Silver	ND	0.126		mg/Kg-dry	1	5/6/2021 4:27:35 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 11:55:00 AM
Project: Swedish Block 95
Lab ID: 2104433-011
Matrix: Soil
Client Sample ID: B95-AB-05-22

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R67019		Analyst: KJ
Percent Moisture	6.10	0.500		wt%	1	5/5/2021 10:08:28 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 3:00:00 PM
Project: Swedish Block 95
Lab ID: 2104433-012
Matrix: Soil
Client Sample ID: B95-AB-04-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32201		Analyst: MM
Diesel (Fuel Oil)	ND	50.5		mg/Kg-dry	1	5/5/2021 8:29:37 PM
Heavy Oil	ND	101		mg/Kg-dry	1	5/5/2021 8:29:37 PM
Total Petroleum Hydrocarbons	ND	152		mg/Kg-dry	1	5/5/2021 8:29:37 PM
Surr: 2-Fluorobiphenyl	77.8	50 - 150		%Rec	1	5/5/2021 8:29:37 PM
Surr: o-Terphenyl	84.4	50 - 150		%Rec	1	5/5/2021 8:29:37 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	19.6		µg/Kg-dry	1	5/3/2021 9:02:12 PM
2-Methylnaphthalene	ND	19.6		µg/Kg-dry	1	5/3/2021 9:02:12 PM
1-Methylnaphthalene	ND	19.6		µg/Kg-dry	1	5/3/2021 9:02:12 PM
Acenaphthylene	ND	19.6		µg/Kg-dry	1	5/3/2021 9:02:12 PM
Acenaphthene	ND	19.6		µg/Kg-dry	1	5/3/2021 9:02:12 PM
Fluorene	ND	19.6		µg/Kg-dry	1	5/3/2021 9:02:12 PM
Phenanthrene	ND	39.1		µg/Kg-dry	1	5/3/2021 9:02:12 PM
Anthracene	ND	39.1		µg/Kg-dry	1	5/3/2021 9:02:12 PM
Fluoranthene	ND	39.1		µg/Kg-dry	1	5/3/2021 9:02:12 PM
Pyrene	ND	39.1		µg/Kg-dry	1	5/3/2021 9:02:12 PM
Benz(a)anthracene	ND	19.6		µg/Kg-dry	1	5/3/2021 9:02:12 PM
Chrysene	ND	39.1		µg/Kg-dry	1	5/3/2021 9:02:12 PM
Benzo(b)fluoranthene	ND	19.6		µg/Kg-dry	1	5/3/2021 9:02:12 PM
Benzo(k)fluoranthene	ND	19.6		µg/Kg-dry	1	5/3/2021 9:02:12 PM
Benzo(a)pyrene	ND	19.6		µg/Kg-dry	1	5/3/2021 9:02:12 PM
Indeno(1,2,3-cd)pyrene	ND	39.1		µg/Kg-dry	1	5/3/2021 9:02:12 PM
Dibenz(a,h)anthracene	ND	39.1		µg/Kg-dry	1	5/3/2021 9:02:12 PM
Benzo(g,h,i)perylene	ND	19.6		µg/Kg-dry	1	5/3/2021 9:02:12 PM
Surr: 2-Fluorobiphenyl	79.1	19 - 135		%Rec	1	5/3/2021 9:02:12 PM
Surr: Terphenyl-d14 (surr)	89.3	42.9 - 156		%Rec	1	5/3/2021 9:02:12 PM
Gasoline by NWTPH-Gx				Batch ID: 32175		Analyst: KT
Gasoline	ND	3.03		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Surr: Toluene-d8	94.8	65 - 135		%Rec	1	5/4/2021 8:52:22 PM
Surr: 4-Bromofluorobenzene	90.0	65 - 135		%Rec	1	5/4/2021 8:52:22 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32175		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0303		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Chloromethane	ND	0.0485		mg/Kg-dry	1	5/4/2021 8:52:22 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 3:00:00 PM
Project: Swedish Block 95
Lab ID: 2104433-012
Matrix: Soil
Client Sample ID: B95-AB-04-2

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32175 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0151		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Bromomethane	ND	0.0909		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Trichlorofluoromethane (CFC-11)	ND	0.0303		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Chloroethane	ND	0.0727		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,1-Dichloroethene	ND	0.0364		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Acetone	ND	0.545		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Methylene chloride	ND	0.0121		mg/Kg-dry	1	5/4/2021 8:52:22 PM
trans-1,2-Dichloroethene	ND	0.0182		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Methyl tert-butyl ether (MTBE)	ND	0.0182		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,1-Dichloroethane	ND	0.0151		mg/Kg-dry	1	5/4/2021 8:52:22 PM
cis-1,2-Dichloroethene	ND	0.0151		mg/Kg-dry	1	5/4/2021 8:52:22 PM
(MEK) 2-Butanone	ND	0.273		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Chloroform	ND	0.0151		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,1,1-Trichloroethane (TCA)	ND	0.0151		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,1-Dichloropropene	ND	0.0151		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Carbon tetrachloride	ND	0.0454		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,2-Dichloroethane (EDC)	ND	0.0139		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Benzene	ND	0.0121		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Trichloroethene (TCE)	ND	0.0151		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,2-Dichloropropane	ND	0.0121		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Bromodichloromethane	ND	0.0151		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Dibromomethane	ND	0.0121		mg/Kg-dry	1	5/4/2021 8:52:22 PM
cis-1,3-Dichloropropene	ND	0.0485		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Toluene	ND	0.0394		mg/Kg-dry	1	5/4/2021 8:52:22 PM
trans-1,3-Dichloropropylene	ND	0.0303		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0454		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,1,2-Trichloroethane	ND	0.0103		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,3-Dichloropropane	ND	0.0121		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Tetrachloroethene (PCE)	ND	0.0242		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Dibromochloromethane	ND	0.0121		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,2-Dibromoethane (EDB)	ND	0.0121		mg/Kg-dry	1	5/4/2021 8:52:22 PM
methyl n-butyl ketone	ND	0.0364		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Chlorobenzene	ND	0.0151		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,1,1,2-Tetrachloroethane	ND	0.0121		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Ethylbenzene	ND	0.0151		mg/Kg-dry	1	5/4/2021 8:52:22 PM
m,p-Xylene	ND	0.0303		mg/Kg-dry	1	5/4/2021 8:52:22 PM
o-Xylene	ND	0.0151		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Styrene	ND	0.0151		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Isopropylbenzene	ND	0.0182		mg/Kg-dry	1	5/4/2021 8:52:22 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 3:00:00 PM
Project: Swedish Block 95
Lab ID: 2104433-012
Matrix: Soil
Client Sample ID: B95-AB-04-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32175		Analyst: KT
Bromoform	ND	0.0151		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,1,2,2-Tetrachloroethane	ND	0.00909		mg/Kg-dry	1	5/4/2021 8:52:22 PM
n-Propylbenzene	ND	0.0182		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Bromobenzene	ND	0.0182		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,3,5-Trimethylbenzene	ND	0.0151		mg/Kg-dry	1	5/4/2021 8:52:22 PM
2-Chlorotoluene	ND	0.0182		mg/Kg-dry	1	5/4/2021 8:52:22 PM
4-Chlorotoluene	ND	0.0182		mg/Kg-dry	1	5/4/2021 8:52:22 PM
tert-Butylbenzene	ND	0.0182		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,2,3-Trichloropropane	ND	0.0151		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,2,4-Trichlorobenzene	ND	0.0242		mg/Kg-dry	1	5/4/2021 8:52:22 PM
sec-Butylbenzene	ND	0.0182		mg/Kg-dry	1	5/4/2021 8:52:22 PM
4-Isopropyltoluene	ND	0.0182		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,3-Dichlorobenzene	ND	0.0212		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,4-Dichlorobenzene	ND	0.0182		mg/Kg-dry	1	5/4/2021 8:52:22 PM
n-Butylbenzene	ND	0.0242		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,2-Dichlorobenzene	ND	0.0182		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,2-Dibromo-3-chloropropane	ND	0.0364		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,2,4-Trimethylbenzene	ND	0.0151		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Hexachloro-1,3-butadiene	ND	0.0303		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Naphthalene	ND	0.0606		mg/Kg-dry	1	5/4/2021 8:52:22 PM
1,2,3-Trichlorobenzene	ND	0.0303		mg/Kg-dry	1	5/4/2021 8:52:22 PM
Surr: Dibromofluoromethane	98.2	81.9 - 113		%Rec	1	5/4/2021 8:52:22 PM
Surr: Toluene-d8	97.5	82.7 - 115		%Rec	1	5/4/2021 8:52:22 PM
Surr: 1-Bromo-4-fluorobenzene	92.4	87.9 - 109		%Rec	1	5/4/2021 8:52:22 PM
Mercury by EPA Method 7471				Batch ID: 32228		Analyst: LB
Mercury	ND	0.227		mg/Kg-dry	1	5/7/2021 2:55:10 PM
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Arsenic	2.98	0.0980		mg/Kg-dry	1	5/7/2021 2:35:19 PM
Barium	49.8	0.490		mg/Kg-dry	1	5/6/2021 4:50:07 PM
Cadmium	ND	0.163		mg/Kg-dry	1	5/6/2021 4:50:07 PM
Chromium	14.8	0.327		mg/Kg-dry	1	5/6/2021 4:50:07 PM
Lead	3.05	0.163		mg/Kg-dry	1	5/6/2021 4:50:07 PM
Selenium	0.648	0.163	B	mg/Kg-dry	1	5/7/2021 2:35:19 PM
Silver	ND	0.123		mg/Kg-dry	1	5/6/2021 4:50:07 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 3:00:00 PM
Project: Swedish Block 95
Lab ID: 2104433-012
Matrix: Soil
Client Sample ID: B95-AB-04-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B					Batch ID: 32194	Analyst: EH

NOTES:
B - Indicates a detection in the ICB or CCB.

Sample Moisture (Percent Moisture)					Batch ID: R67019	Analyst: KJ
Percent Moisture	3.59	0.500		wt%	1	5/5/2021 10:08:28 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 3:25:00 PM
Project: Swedish Block 95
Lab ID: 2104433-016
Matrix: Soil
Client Sample ID: B95-AB-04-12.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32201		Analyst: MM
Diesel (Fuel Oil)	ND	47.7		mg/Kg-dry	1	5/5/2021 9:07:53 PM
Heavy Oil	ND	95.5		mg/Kg-dry	1	5/5/2021 9:07:53 PM
Total Petroleum Hydrocarbons	ND	143		mg/Kg-dry	1	5/5/2021 9:07:53 PM
Surr: 2-Fluorobiphenyl	74.6	50 - 150		%Rec	1	5/5/2021 9:07:53 PM
Surr: o-Terphenyl	81.1	50 - 150		%Rec	1	5/5/2021 9:07:53 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	20.1		µg/Kg-dry	1	5/3/2021 9:23:43 PM
2-Methylnaphthalene	ND	20.1		µg/Kg-dry	1	5/3/2021 9:23:43 PM
1-Methylnaphthalene	ND	20.1		µg/Kg-dry	1	5/3/2021 9:23:43 PM
Acenaphthylene	ND	20.1		µg/Kg-dry	1	5/3/2021 9:23:43 PM
Acenaphthene	ND	20.1		µg/Kg-dry	1	5/3/2021 9:23:43 PM
Fluorene	ND	20.1		µg/Kg-dry	1	5/3/2021 9:23:43 PM
Phenanthrene	ND	40.2		µg/Kg-dry	1	5/3/2021 9:23:43 PM
Anthracene	ND	40.2		µg/Kg-dry	1	5/3/2021 9:23:43 PM
Fluoranthene	ND	40.2		µg/Kg-dry	1	5/3/2021 9:23:43 PM
Pyrene	ND	40.2		µg/Kg-dry	1	5/3/2021 9:23:43 PM
Benz(a)anthracene	ND	20.1		µg/Kg-dry	1	5/3/2021 9:23:43 PM
Chrysene	ND	40.2		µg/Kg-dry	1	5/3/2021 9:23:43 PM
Benzo(b)fluoranthene	ND	20.1		µg/Kg-dry	1	5/3/2021 9:23:43 PM
Benzo(k)fluoranthene	ND	20.1		µg/Kg-dry	1	5/3/2021 9:23:43 PM
Benzo(a)pyrene	ND	20.1		µg/Kg-dry	1	5/3/2021 9:23:43 PM
Indeno(1,2,3-cd)pyrene	ND	40.2		µg/Kg-dry	1	5/3/2021 9:23:43 PM
Dibenz(a,h)anthracene	ND	40.2		µg/Kg-dry	1	5/3/2021 9:23:43 PM
Benzo(g,h,i)perylene	ND	20.1		µg/Kg-dry	1	5/3/2021 9:23:43 PM
Surr: 2-Fluorobiphenyl	72.5	19 - 135		%Rec	1	5/3/2021 9:23:43 PM
Surr: Terphenyl-d14 (surr)	84.3	42.9 - 156		%Rec	1	5/3/2021 9:23:43 PM
Gasoline by NWTPH-Gx				Batch ID: 32175		Analyst: KT
Gasoline	ND	3.87		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Surr: Toluene-d8	96.3	65 - 135		%Rec	1	5/4/2021 9:22:29 PM
Surr: 4-Bromofluorobenzene	91.2	65 - 135		%Rec	1	5/4/2021 9:22:29 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32175		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0387		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Chloromethane	ND	0.0620		mg/Kg-dry	1	5/4/2021 9:22:29 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 3:25:00 PM
Project: Swedish Block 95
Lab ID: 2104433-016
Matrix: Soil
Client Sample ID: B95-AB-04-12.5

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32175 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0194		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Bromomethane	ND	0.116		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Trichlorofluoromethane (CFC-11)	ND	0.0387		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Chloroethane	ND	0.0929		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,1-Dichloroethene	ND	0.0465		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Acetone	ND	0.697		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Methylene chloride	0.0292	0.0155		mg/Kg-dry	1	5/4/2021 9:22:29 PM
trans-1,2-Dichloroethene	ND	0.0232		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Methyl tert-butyl ether (MTBE)	ND	0.0232		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,1-Dichloroethane	ND	0.0194		mg/Kg-dry	1	5/4/2021 9:22:29 PM
cis-1,2-Dichloroethene	ND	0.0194		mg/Kg-dry	1	5/4/2021 9:22:29 PM
(MEK) 2-Butanone	ND	0.349		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Chloroform	ND	0.0194		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,1,1-Trichloroethane (TCA)	ND	0.0194		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,1-Dichloropropene	ND	0.0194		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Carbon tetrachloride	ND	0.0581		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,2-Dichloroethane (EDC)	ND	0.0178		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Benzene	ND	0.0155		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Trichloroethene (TCE)	ND	0.0194		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,2-Dichloropropane	ND	0.0155		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Bromodichloromethane	ND	0.0194		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Dibromomethane	ND	0.0155		mg/Kg-dry	1	5/4/2021 9:22:29 PM
cis-1,3-Dichloropropene	ND	0.0620		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Toluene	ND	0.0503		mg/Kg-dry	1	5/4/2021 9:22:29 PM
trans-1,3-Dichloropropylene	ND	0.0387		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0581		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,1,2-Trichloroethane	ND	0.0132		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,3-Dichloropropane	ND	0.0155		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Tetrachloroethene (PCE)	ND	0.0310		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Dibromochloromethane	ND	0.0155		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,2-Dibromoethane (EDB)	ND	0.0155		mg/Kg-dry	1	5/4/2021 9:22:29 PM
methyl n-butyl ketone	ND	0.0465		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Chlorobenzene	ND	0.0194		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,1,1,2-Tetrachloroethane	ND	0.0155		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Ethylbenzene	ND	0.0194		mg/Kg-dry	1	5/4/2021 9:22:29 PM
m,p-Xylene	ND	0.0387		mg/Kg-dry	1	5/4/2021 9:22:29 PM
o-Xylene	ND	0.0194		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Styrene	ND	0.0194		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Isopropylbenzene	ND	0.0232		mg/Kg-dry	1	5/4/2021 9:22:29 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 3:25:00 PM
Project: Swedish Block 95
Lab ID: 2104433-016
Matrix: Soil
Client Sample ID: B95-AB-04-12.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32175		Analyst: KT
Bromoform	ND	0.0194		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,1,2,2-Tetrachloroethane	ND	0.0116		mg/Kg-dry	1	5/4/2021 9:22:29 PM
n-Propylbenzene	ND	0.0232		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Bromobenzene	ND	0.0232		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,3,5-Trimethylbenzene	ND	0.0194		mg/Kg-dry	1	5/4/2021 9:22:29 PM
2-Chlorotoluene	ND	0.0232		mg/Kg-dry	1	5/4/2021 9:22:29 PM
4-Chlorotoluene	ND	0.0232		mg/Kg-dry	1	5/4/2021 9:22:29 PM
tert-Butylbenzene	ND	0.0232		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,2,3-Trichloropropane	ND	0.0194		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,2,4-Trichlorobenzene	ND	0.0310		mg/Kg-dry	1	5/4/2021 9:22:29 PM
sec-Butylbenzene	ND	0.0232		mg/Kg-dry	1	5/4/2021 9:22:29 PM
4-Isopropyltoluene	ND	0.0232		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,3-Dichlorobenzene	ND	0.0271		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,4-Dichlorobenzene	ND	0.0232		mg/Kg-dry	1	5/4/2021 9:22:29 PM
n-Butylbenzene	ND	0.0310		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,2-Dichlorobenzene	ND	0.0232		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,2-Dibromo-3-chloropropane	ND	0.0465		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,2,4-Trimethylbenzene	ND	0.0194		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Hexachloro-1,3-butadiene	ND	0.0387		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Naphthalene	ND	0.0774		mg/Kg-dry	1	5/4/2021 9:22:29 PM
1,2,3-Trichlorobenzene	ND	0.0387		mg/Kg-dry	1	5/4/2021 9:22:29 PM
Surr: Dibromofluoromethane	97.2	81.9 - 113		%Rec	1	5/4/2021 9:22:29 PM
Surr: Toluene-d8	97.3	82.7 - 115		%Rec	1	5/4/2021 9:22:29 PM
Surr: 1-Bromo-4-fluorobenzene	93.8	87.9 - 109		%Rec	1	5/4/2021 9:22:29 PM
Mercury by EPA Method 7471				Batch ID: 32228		Analyst: LB
Mercury	ND	0.264		mg/Kg-dry	1	5/7/2021 2:56:48 PM
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Arsenic	2.43	0.103		mg/Kg-dry	1	5/7/2021 2:40:53 PM
Barium	60.4	0.517		mg/Kg-dry	1	5/6/2021 4:55:41 PM
Cadmium	ND	0.172		mg/Kg-dry	1	5/6/2021 4:55:41 PM
Chromium	31.2	0.345		mg/Kg-dry	1	5/6/2021 4:55:41 PM
Lead	2.28	0.172		mg/Kg-dry	1	5/6/2021 4:55:41 PM
Selenium	ND	0.172		mg/Kg-dry	1	5/7/2021 2:40:53 PM
Silver	ND	0.129		mg/Kg-dry	1	5/6/2021 4:55:41 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 3:25:00 PM
Project: Swedish Block 95
Lab ID: 2104433-016
Matrix: Soil
Client Sample ID: **B95-AB-04-12.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R67019		Analyst: KJ
Percent Moisture	7.24	0.500		wt%	1	5/5/2021 10:08:28 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 4:00:00 PM
Project: Swedish Block 95
Lab ID: 2104433-018
Matrix: Soil
Client Sample ID: B95-AB-04-22.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32201		Analyst: MM
Diesel (Fuel Oil)	ND	43.0		mg/Kg-dry	1	5/5/2021 9:20:33 PM
Heavy Oil	ND	86.1		mg/Kg-dry	1	5/5/2021 9:20:33 PM
Total Petroleum Hydrocarbons	ND	129		mg/Kg-dry	1	5/5/2021 9:20:33 PM
Surr: 2-Fluorobiphenyl	76.1	50 - 150		%Rec	1	5/5/2021 9:20:33 PM
Surr: o-Terphenyl	83.4	50 - 150		%Rec	1	5/5/2021 9:20:33 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	17.6		µg/Kg-dry	1	5/3/2021 9:45:07 PM
2-Methylnaphthalene	ND	17.6		µg/Kg-dry	1	5/3/2021 9:45:07 PM
1-Methylnaphthalene	ND	17.6		µg/Kg-dry	1	5/3/2021 9:45:07 PM
Acenaphthylene	ND	17.6		µg/Kg-dry	1	5/3/2021 9:45:07 PM
Acenaphthene	ND	17.6		µg/Kg-dry	1	5/3/2021 9:45:07 PM
Fluorene	ND	17.6		µg/Kg-dry	1	5/3/2021 9:45:07 PM
Phenanthrene	ND	35.2		µg/Kg-dry	1	5/3/2021 9:45:07 PM
Anthracene	ND	35.2		µg/Kg-dry	1	5/3/2021 9:45:07 PM
Fluoranthene	ND	35.2		µg/Kg-dry	1	5/3/2021 9:45:07 PM
Pyrene	ND	35.2		µg/Kg-dry	1	5/3/2021 9:45:07 PM
Benz(a)anthracene	ND	17.6		µg/Kg-dry	1	5/3/2021 9:45:07 PM
Chrysene	ND	35.2		µg/Kg-dry	1	5/3/2021 9:45:07 PM
Benzo(b)fluoranthene	ND	17.6		µg/Kg-dry	1	5/3/2021 9:45:07 PM
Benzo(k)fluoranthene	ND	17.6		µg/Kg-dry	1	5/3/2021 9:45:07 PM
Benzo(a)pyrene	ND	17.6		µg/Kg-dry	1	5/3/2021 9:45:07 PM
Indeno(1,2,3-cd)pyrene	ND	35.2		µg/Kg-dry	1	5/3/2021 9:45:07 PM
Dibenz(a,h)anthracene	ND	35.2		µg/Kg-dry	1	5/3/2021 9:45:07 PM
Benzo(g,h,i)perylene	ND	17.6		µg/Kg-dry	1	5/3/2021 9:45:07 PM
Surr: 2-Fluorobiphenyl	69.6	19 - 135		%Rec	1	5/3/2021 9:45:07 PM
Surr: Terphenyl-d14 (surr)	80.4	42.9 - 156		%Rec	1	5/3/2021 9:45:07 PM
Gasoline by NWTPH-Gx				Batch ID: 32175		Analyst: KT
Gasoline	ND	2.83		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Surr: Toluene-d8	95.9	65 - 135		%Rec	1	5/4/2021 9:52:38 PM
Surr: 4-Bromofluorobenzene	90.1	65 - 135		%Rec	1	5/4/2021 9:52:38 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32175		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0283		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Chloromethane	ND	0.0452		mg/Kg-dry	1	5/4/2021 9:52:38 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 4:00:00 PM
Project: Swedish Block 95
Lab ID: 2104433-018
Matrix: Soil
Client Sample ID: B95-AB-04-22.5

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32175 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0141		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Bromomethane	ND	0.0848		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Trichlorofluoromethane (CFC-11)	ND	0.0283		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Chloroethane	ND	0.0678		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,1-Dichloroethene	ND	0.0339		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Acetone	ND	0.509		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Methylene chloride	0.0163	0.0113		mg/Kg-dry	1	5/4/2021 9:52:38 PM
trans-1,2-Dichloroethene	ND	0.0170		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Methyl tert-butyl ether (MTBE)	ND	0.0170		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,1-Dichloroethane	ND	0.0141		mg/Kg-dry	1	5/4/2021 9:52:38 PM
cis-1,2-Dichloroethene	ND	0.0141		mg/Kg-dry	1	5/4/2021 9:52:38 PM
(MEK) 2-Butanone	ND	0.254		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Chloroform	ND	0.0141		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,1,1-Trichloroethane (TCA)	ND	0.0141		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,1-Dichloropropene	ND	0.0141		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Carbon tetrachloride	ND	0.0424		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,2-Dichloroethane (EDC)	ND	0.0130		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Benzene	ND	0.0113		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Trichloroethene (TCE)	ND	0.0141		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,2-Dichloropropane	ND	0.0113		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Bromodichloromethane	ND	0.0141		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Dibromomethane	ND	0.0113		mg/Kg-dry	1	5/4/2021 9:52:38 PM
cis-1,3-Dichloropropene	ND	0.0452		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Toluene	ND	0.0367		mg/Kg-dry	1	5/4/2021 9:52:38 PM
trans-1,3-Dichloropropylene	ND	0.0283		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0424		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,1,2-Trichloroethane	ND	0.00961		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,3-Dichloropropane	ND	0.0113		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Tetrachloroethene (PCE)	ND	0.0226		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Dibromochloromethane	ND	0.0113		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,2-Dibromoethane (EDB)	ND	0.0113		mg/Kg-dry	1	5/4/2021 9:52:38 PM
methyl n-butyl ketone	ND	0.0339		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Chlorobenzene	ND	0.0141		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,1,1,2-Tetrachloroethane	ND	0.0113		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Ethylbenzene	ND	0.0141		mg/Kg-dry	1	5/4/2021 9:52:38 PM
m,p-Xylene	ND	0.0283		mg/Kg-dry	1	5/4/2021 9:52:38 PM
o-Xylene	ND	0.0141		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Styrene	ND	0.0141		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Isopropylbenzene	ND	0.0170		mg/Kg-dry	1	5/4/2021 9:52:38 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 4:00:00 PM
Project: Swedish Block 95
Lab ID: 2104433-018
Matrix: Soil
Client Sample ID: B95-AB-04-22.5

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32175 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Bromoform	ND	0.0141		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,1,2,2-Tetrachloroethane	ND	0.00848		mg/Kg-dry	1	5/4/2021 9:52:38 PM
n-Propylbenzene	ND	0.0170		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Bromobenzene	ND	0.0170		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,3,5-Trimethylbenzene	ND	0.0141		mg/Kg-dry	1	5/4/2021 9:52:38 PM
2-Chlorotoluene	ND	0.0170		mg/Kg-dry	1	5/4/2021 9:52:38 PM
4-Chlorotoluene	ND	0.0170		mg/Kg-dry	1	5/4/2021 9:52:38 PM
tert-Butylbenzene	ND	0.0170		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,2,3-Trichloropropane	ND	0.0141		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,2,4-Trichlorobenzene	ND	0.0226		mg/Kg-dry	1	5/4/2021 9:52:38 PM
sec-Butylbenzene	ND	0.0170		mg/Kg-dry	1	5/4/2021 9:52:38 PM
4-Isopropyltoluene	ND	0.0170		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,3-Dichlorobenzene	ND	0.0198		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,4-Dichlorobenzene	ND	0.0170		mg/Kg-dry	1	5/4/2021 9:52:38 PM
n-Butylbenzene	ND	0.0226		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,2-Dichlorobenzene	ND	0.0170		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,2-Dibromo-3-chloropropane	ND	0.0339		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,2,4-Trimethylbenzene	ND	0.0141		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Hexachloro-1,3-butadiene	ND	0.0283		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Naphthalene	ND	0.0565		mg/Kg-dry	1	5/4/2021 9:52:38 PM
1,2,3-Trichlorobenzene	ND	0.0283		mg/Kg-dry	1	5/4/2021 9:52:38 PM
Surr: Dibromofluoromethane	82.7	81.9 - 113		%Rec	1	5/4/2021 9:52:38 PM
Surr: Toluene-d8	118	82.7 - 115	S	%Rec	1	5/4/2021 9:52:38 PM
Surr: 1-Bromo-4-fluorobenzene	92.5	87.9 - 109		%Rec	1	5/4/2021 9:52:38 PM

NOTES:
S - Outlying surrogate recovery(ies) observed (high bias). Sample is non-detect.

Mercury by EPA Method 7471

Batch ID: 32228 Analyst: LB

Mercury	ND	0.244		mg/Kg-dry	1	5/7/2021 2:58:25 PM

Total Metals by EPA Method 6020B

Batch ID: 32194 Analyst: EH

Arsenic	3.09	0.0966		mg/Kg-dry	1	5/7/2021 2:46:27 PM
Barium	60.3	0.483		mg/Kg-dry	1	5/6/2021 5:01:14 PM
Cadmium	ND	0.161		mg/Kg-dry	1	5/6/2021 5:01:14 PM
Chromium	39.2	0.322		mg/Kg-dry	1	5/6/2021 5:01:14 PM
Lead	1.99	0.161		mg/Kg-dry	1	5/6/2021 5:01:14 PM
Selenium	0.521	0.161	B	mg/Kg-dry	1	5/7/2021 2:46:27 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/28/2021 4:00:00 PM
Project: Swedish Block 95
Lab ID: 2104433-018
Matrix: Soil
Client Sample ID: B95-AB-04-22.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Silver	ND	0.121		mg/Kg-dry	1	5/6/2021 5:01:14 PM
NOTES: B - Indicates a detection in the ICB or CCB.						
Sample Moisture (Percent Moisture)				Batch ID: R67019		Analyst: KJ
Percent Moisture	1.38	0.500		wt%	1	5/5/2021 10:08:28 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 10:51:00 AM
Project: Swedish Block 95
Lab ID: 2104433-021
Matrix: Soil
Client Sample ID: B95-AB-01-8.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32201		Analyst: MM
Diesel (Fuel Oil)	ND	52.6		mg/Kg-dry	1	5/5/2021 9:33:12 PM
Heavy Oil	ND	105		mg/Kg-dry	1	5/5/2021 9:33:12 PM
Total Petroleum Hydrocarbons	ND	158		mg/Kg-dry	1	5/5/2021 9:33:12 PM
Surr: 2-Fluorobiphenyl	64.4	50 - 150		%Rec	1	5/5/2021 9:33:12 PM
Surr: o-Terphenyl	77.3	50 - 150		%Rec	1	5/5/2021 9:33:12 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	22.0		µg/Kg-dry	1	5/3/2021 10:06:27 PM
2-Methylnaphthalene	ND	22.0		µg/Kg-dry	1	5/3/2021 10:06:27 PM
1-Methylnaphthalene	ND	22.0		µg/Kg-dry	1	5/3/2021 10:06:27 PM
Acenaphthylene	ND	22.0		µg/Kg-dry	1	5/3/2021 10:06:27 PM
Acenaphthene	ND	22.0		µg/Kg-dry	1	5/3/2021 10:06:27 PM
Fluorene	ND	22.0		µg/Kg-dry	1	5/3/2021 10:06:27 PM
Phenanthrene	ND	43.9		µg/Kg-dry	1	5/3/2021 10:06:27 PM
Anthracene	ND	43.9		µg/Kg-dry	1	5/3/2021 10:06:27 PM
Fluoranthene	ND	43.9		µg/Kg-dry	1	5/3/2021 10:06:27 PM
Pyrene	ND	43.9		µg/Kg-dry	1	5/3/2021 10:06:27 PM
Benz(a)anthracene	ND	22.0		µg/Kg-dry	1	5/3/2021 10:06:27 PM
Chrysene	ND	43.9		µg/Kg-dry	1	5/3/2021 10:06:27 PM
Benzo(b)fluoranthene	ND	22.0		µg/Kg-dry	1	5/3/2021 10:06:27 PM
Benzo(k)fluoranthene	ND	22.0		µg/Kg-dry	1	5/3/2021 10:06:27 PM
Benzo(a)pyrene	ND	22.0		µg/Kg-dry	1	5/3/2021 10:06:27 PM
Indeno(1,2,3-cd)pyrene	ND	43.9		µg/Kg-dry	1	5/3/2021 10:06:27 PM
Dibenz(a,h)anthracene	ND	43.9		µg/Kg-dry	1	5/3/2021 10:06:27 PM
Benzo(g,h,i)perylene	ND	22.0		µg/Kg-dry	1	5/3/2021 10:06:27 PM
Surr: 2-Fluorobiphenyl	69.8	19 - 135		%Rec	1	5/3/2021 10:06:27 PM
Surr: Terphenyl-d14 (surr)	81.9	42.9 - 156		%Rec	1	5/3/2021 10:06:27 PM
Gasoline by NWTPH-Gx				Batch ID: 32175		Analyst: KT
Gasoline	ND	3.21		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Surr: Toluene-d8	95.5	65 - 135		%Rec	1	5/4/2021 10:22:46 PM
Surr: 4-Bromofluorobenzene	91.9	65 - 135		%Rec	1	5/4/2021 10:22:46 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32175		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0321		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Chloromethane	ND	0.0513		mg/Kg-dry	1	5/4/2021 10:22:46 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 10:51:00 AM
Project: Swedish Block 95
Lab ID: 2104433-021
Matrix: Soil
Client Sample ID: B95-AB-01-8.5

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32175 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0160		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Bromomethane	ND	0.0962		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Trichlorofluoromethane (CFC-11)	ND	0.0321		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Chloroethane	ND	0.0769		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,1-Dichloroethene	ND	0.0385		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Acetone	ND	0.577		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Methylene chloride	0.0368	0.0128		mg/Kg-dry	1	5/4/2021 10:22:46 PM
trans-1,2-Dichloroethene	ND	0.0192		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Methyl tert-butyl ether (MTBE)	ND	0.0192		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,1-Dichloroethane	ND	0.0160		mg/Kg-dry	1	5/4/2021 10:22:46 PM
cis-1,2-Dichloroethene	ND	0.0160		mg/Kg-dry	1	5/4/2021 10:22:46 PM
(MEK) 2-Butanone	ND	0.289		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Chloroform	ND	0.0160		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,1,1-Trichloroethane (TCA)	ND	0.0160		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,1-Dichloropropene	ND	0.0160		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Carbon tetrachloride	ND	0.0481		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,2-Dichloroethane (EDC)	ND	0.0147		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Benzene	ND	0.0128		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Trichloroethene (TCE)	ND	0.0160		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,2-Dichloropropane	ND	0.0128		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Bromodichloromethane	ND	0.0160		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Dibromomethane	ND	0.0128		mg/Kg-dry	1	5/4/2021 10:22:46 PM
cis-1,3-Dichloropropene	ND	0.0513		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Toluene	ND	0.0417		mg/Kg-dry	1	5/4/2021 10:22:46 PM
trans-1,3-Dichloropropylene	ND	0.0321		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0481		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,1,2-Trichloroethane	ND	0.0109		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,3-Dichloropropane	ND	0.0128		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Tetrachloroethene (PCE)	ND	0.0256		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Dibromochloromethane	ND	0.0128		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,2-Dibromoethane (EDB)	ND	0.0128		mg/Kg-dry	1	5/4/2021 10:22:46 PM
methyl n-butyl ketone	ND	0.0385		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Chlorobenzene	ND	0.0160		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,1,1,2-Tetrachloroethane	ND	0.0128		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Ethylbenzene	ND	0.0160		mg/Kg-dry	1	5/4/2021 10:22:46 PM
m,p-Xylene	ND	0.0321		mg/Kg-dry	1	5/4/2021 10:22:46 PM
o-Xylene	ND	0.0160		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Styrene	ND	0.0160		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Isopropylbenzene	ND	0.0192		mg/Kg-dry	1	5/4/2021 10:22:46 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 10:51:00 AM
Project: Swedish Block 95
Lab ID: 2104433-021
Matrix: Soil
Client Sample ID: B95-AB-01-8.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32175		Analyst: KT
Bromoform	ND	0.0160		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,1,2,2-Tetrachloroethane	ND	0.00962		mg/Kg-dry	1	5/4/2021 10:22:46 PM
n-Propylbenzene	ND	0.0192		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Bromobenzene	ND	0.0192		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,3,5-Trimethylbenzene	ND	0.0160		mg/Kg-dry	1	5/4/2021 10:22:46 PM
2-Chlorotoluene	ND	0.0192		mg/Kg-dry	1	5/4/2021 10:22:46 PM
4-Chlorotoluene	ND	0.0192		mg/Kg-dry	1	5/4/2021 10:22:46 PM
tert-Butylbenzene	ND	0.0192		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,2,3-Trichloropropane	ND	0.0160		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,2,4-Trichlorobenzene	ND	0.0256		mg/Kg-dry	1	5/4/2021 10:22:46 PM
sec-Butylbenzene	ND	0.0192		mg/Kg-dry	1	5/4/2021 10:22:46 PM
4-Isopropyltoluene	ND	0.0192		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,3-Dichlorobenzene	ND	0.0224		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,4-Dichlorobenzene	ND	0.0192		mg/Kg-dry	1	5/4/2021 10:22:46 PM
n-Butylbenzene	ND	0.0256		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,2-Dichlorobenzene	ND	0.0192		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,2-Dibromo-3-chloropropane	ND	0.0385		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,2,4-Trimethylbenzene	ND	0.0160		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Hexachloro-1,3-butadiene	ND	0.0321		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Naphthalene	ND	0.0641		mg/Kg-dry	1	5/4/2021 10:22:46 PM
1,2,3-Trichlorobenzene	ND	0.0321		mg/Kg-dry	1	5/4/2021 10:22:46 PM
Surr: Dibromofluoromethane	101	81.9 - 113		%Rec	1	5/4/2021 10:22:46 PM
Surr: Toluene-d8	98.7	82.7 - 115		%Rec	1	5/4/2021 10:22:46 PM
Surr: 1-Bromo-4-fluorobenzene	94.5	87.9 - 109		%Rec	1	5/4/2021 10:22:46 PM
Mercury by EPA Method 7471				Batch ID: 32228		Analyst: LB
Mercury	ND	0.266		mg/Kg-dry	1	5/7/2021 3:00:02 PM
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Arsenic	3.79	0.111		mg/Kg-dry	1	5/7/2021 2:52:01 PM
Barium	58.5	0.557		mg/Kg-dry	1	5/6/2021 5:06:48 PM
Cadmium	ND	0.186		mg/Kg-dry	1	5/6/2021 5:06:48 PM
Chromium	39.1	0.371		mg/Kg-dry	1	5/6/2021 5:06:48 PM
Lead	2.58	0.186		mg/Kg-dry	1	5/6/2021 5:06:48 PM
Selenium	0.462	0.186	B	mg/Kg-dry	1	5/7/2021 2:52:01 PM
Silver	ND	0.139		mg/Kg-dry	1	5/6/2021 5:06:48 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 10:51:00 AM
Project: Swedish Block 95
Lab ID: 2104433-021
Matrix: Soil
Client Sample ID: B95-AB-01-8.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B					Batch ID: 32194	Analyst: EH

NOTES:
B - Indicates a detection in the ICB or CCB.

Sample Moisture (Percent Moisture)					Batch ID: R67019	Analyst: KJ
Percent Moisture	13.1	0.500		wt%	1	5/5/2021 10:08:28 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 11:00:00 AM
Project: Swedish Block 95
Lab ID: 2104433-022
Matrix: Soil
Client Sample ID: B95-AB-01-11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32201		Analyst: MM
Diesel (Fuel Oil)	ND	51.7		mg/Kg-dry	1	5/5/2021 9:45:55 PM
Heavy Oil	ND	103		mg/Kg-dry	1	5/5/2021 9:45:55 PM
Total Petroleum Hydrocarbons	ND	155		mg/Kg-dry	1	5/5/2021 9:45:55 PM
Surr: 2-Fluorobiphenyl	75.3	50 - 150		%Rec	1	5/5/2021 9:45:55 PM
Surr: o-Terphenyl	83.5	50 - 150		%Rec	1	5/5/2021 9:45:55 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	20.4		µg/Kg-dry	1	5/3/2021 10:27:53 PM
2-Methylnaphthalene	ND	20.4		µg/Kg-dry	1	5/3/2021 10:27:53 PM
1-Methylnaphthalene	ND	20.4		µg/Kg-dry	1	5/3/2021 10:27:53 PM
Acenaphthylene	ND	20.4		µg/Kg-dry	1	5/3/2021 10:27:53 PM
Acenaphthene	ND	20.4		µg/Kg-dry	1	5/3/2021 10:27:53 PM
Fluorene	ND	20.4		µg/Kg-dry	1	5/3/2021 10:27:53 PM
Phenanthrene	ND	40.7		µg/Kg-dry	1	5/3/2021 10:27:53 PM
Anthracene	ND	40.7		µg/Kg-dry	1	5/3/2021 10:27:53 PM
Fluoranthene	ND	40.7		µg/Kg-dry	1	5/3/2021 10:27:53 PM
Pyrene	ND	40.7		µg/Kg-dry	1	5/3/2021 10:27:53 PM
Benz(a)anthracene	ND	20.4		µg/Kg-dry	1	5/3/2021 10:27:53 PM
Chrysene	ND	40.7		µg/Kg-dry	1	5/3/2021 10:27:53 PM
Benzo(b)fluoranthene	ND	20.4		µg/Kg-dry	1	5/3/2021 10:27:53 PM
Benzo(k)fluoranthene	ND	20.4		µg/Kg-dry	1	5/3/2021 10:27:53 PM
Benzo(a)pyrene	ND	20.4		µg/Kg-dry	1	5/3/2021 10:27:53 PM
Indeno(1,2,3-cd)pyrene	ND	40.7		µg/Kg-dry	1	5/3/2021 10:27:53 PM
Dibenz(a,h)anthracene	ND	40.7		µg/Kg-dry	1	5/3/2021 10:27:53 PM
Benzo(g,h,i)perylene	ND	20.4		µg/Kg-dry	1	5/3/2021 10:27:53 PM
Surr: 2-Fluorobiphenyl	69.4	19 - 135		%Rec	1	5/3/2021 10:27:53 PM
Surr: Terphenyl-d14 (surr)	81.7	42.9 - 156		%Rec	1	5/3/2021 10:27:53 PM
Gasoline by NWTPH-Gx				Batch ID: 32175		Analyst: KT
Gasoline	ND	3.76		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Surr: Toluene-d8	94.2	65 - 135		%Rec	1	5/4/2021 10:52:56 PM
Surr: 4-Bromofluorobenzene	89.2	65 - 135		%Rec	1	5/4/2021 10:52:56 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32175		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0376		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Chloromethane	ND	0.0601		mg/Kg-dry	1	5/4/2021 10:52:56 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 11:00:00 AM
Project: Swedish Block 95
Lab ID: 2104433-022
Matrix: Soil
Client Sample ID: B95-AB-01-11

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32175 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0188		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Bromomethane	ND	0.113		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Trichlorofluoromethane (CFC-11)	ND	0.0376		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Chloroethane	ND	0.0901		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,1-Dichloroethene	ND	0.0451		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Acetone	ND	0.676		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Methylene chloride	0.0310	0.0150		mg/Kg-dry	1	5/4/2021 10:52:56 PM
trans-1,2-Dichloroethene	ND	0.0225		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Methyl tert-butyl ether (MTBE)	ND	0.0225		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,1-Dichloroethane	ND	0.0188		mg/Kg-dry	1	5/4/2021 10:52:56 PM
cis-1,2-Dichloroethene	ND	0.0188		mg/Kg-dry	1	5/4/2021 10:52:56 PM
(MEK) 2-Butanone	ND	0.338		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Chloroform	ND	0.0188		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,1,1-Trichloroethane (TCA)	ND	0.0188		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,1-Dichloropropene	ND	0.0188		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Carbon tetrachloride	ND	0.0563		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,2-Dichloroethane (EDC)	ND	0.0173		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Benzene	ND	0.0150		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Trichloroethene (TCE)	ND	0.0188		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,2-Dichloropropane	ND	0.0150		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Bromodichloromethane	ND	0.0188		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Dibromomethane	ND	0.0150		mg/Kg-dry	1	5/4/2021 10:52:56 PM
cis-1,3-Dichloropropene	ND	0.0601		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Toluene	ND	0.0488		mg/Kg-dry	1	5/4/2021 10:52:56 PM
trans-1,3-Dichloropropylene	ND	0.0376		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0563		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,1,2-Trichloroethane	ND	0.0128		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,3-Dichloropropane	ND	0.0150		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Tetrachloroethene (PCE)	ND	0.0300		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Dibromochloromethane	ND	0.0150		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,2-Dibromoethane (EDB)	ND	0.0150		mg/Kg-dry	1	5/4/2021 10:52:56 PM
methyl n-butyl ketone	ND	0.0451		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Chlorobenzene	ND	0.0188		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,1,1,2-Tetrachloroethane	ND	0.0150		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Ethylbenzene	ND	0.0188		mg/Kg-dry	1	5/4/2021 10:52:56 PM
m,p-Xylene	ND	0.0376		mg/Kg-dry	1	5/4/2021 10:52:56 PM
o-Xylene	ND	0.0188		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Styrene	ND	0.0188		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Isopropylbenzene	ND	0.0225		mg/Kg-dry	1	5/4/2021 10:52:56 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 11:00:00 AM
Project: Swedish Block 95
Lab ID: 2104433-022
Matrix: Soil
Client Sample ID: B95-AB-01-11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32175		Analyst: KT
Bromoform	ND	0.0188		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,1,2,2-Tetrachloroethane	ND	0.0113		mg/Kg-dry	1	5/4/2021 10:52:56 PM
n-Propylbenzene	ND	0.0225		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Bromobenzene	ND	0.0225		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,3,5-Trimethylbenzene	ND	0.0188		mg/Kg-dry	1	5/4/2021 10:52:56 PM
2-Chlorotoluene	ND	0.0225		mg/Kg-dry	1	5/4/2021 10:52:56 PM
4-Chlorotoluene	ND	0.0225		mg/Kg-dry	1	5/4/2021 10:52:56 PM
tert-Butylbenzene	ND	0.0225		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,2,3-Trichloropropane	ND	0.0188		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,2,4-Trichlorobenzene	ND	0.0300		mg/Kg-dry	1	5/4/2021 10:52:56 PM
sec-Butylbenzene	ND	0.0225		mg/Kg-dry	1	5/4/2021 10:52:56 PM
4-Isopropyltoluene	ND	0.0225		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,3-Dichlorobenzene	ND	0.0263		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,4-Dichlorobenzene	ND	0.0225		mg/Kg-dry	1	5/4/2021 10:52:56 PM
n-Butylbenzene	ND	0.0300		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,2-Dichlorobenzene	ND	0.0225		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,2-Dibromo-3-chloropropane	ND	0.0451		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,2,4-Trimethylbenzene	ND	0.0188		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Hexachloro-1,3-butadiene	ND	0.0376		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Naphthalene	ND	0.0751		mg/Kg-dry	1	5/4/2021 10:52:56 PM
1,2,3-Trichlorobenzene	ND	0.0376		mg/Kg-dry	1	5/4/2021 10:52:56 PM
Surr: Dibromofluoromethane	96.8	81.9 - 113		%Rec	1	5/4/2021 10:52:56 PM
Surr: Toluene-d8	96.7	82.7 - 115		%Rec	1	5/4/2021 10:52:56 PM
Surr: 1-Bromo-4-fluorobenzene	91.6	87.9 - 109		%Rec	1	5/4/2021 10:52:56 PM
Mercury by EPA Method 7471				Batch ID: 32228		Analyst: LB
Mercury	ND	0.247		mg/Kg-dry	1	5/7/2021 3:01:38 PM
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Arsenic	2.77	0.108		mg/Kg-dry	1	5/7/2021 3:08:46 PM
Barium	61.8	0.542		mg/Kg-dry	1	5/6/2021 5:12:21 PM
Cadmium	ND	0.181		mg/Kg-dry	1	5/6/2021 5:12:21 PM
Chromium	32.6	0.362		mg/Kg-dry	1	5/6/2021 5:12:21 PM
Lead	2.17	0.181		mg/Kg-dry	1	5/6/2021 5:12:21 PM
Selenium	0.420	0.181		mg/Kg-dry	1	5/7/2021 3:08:46 PM
Silver	ND	0.136		mg/Kg-dry	1	5/6/2021 5:12:21 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 11:00:00 AM
Project: Swedish Block 95
Lab ID: 2104433-022
Matrix: Soil
Client Sample ID: B95-AB-01-11

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R67019		Analyst: KJ
Percent Moisture	12.9	0.500		wt%	1	5/5/2021 10:08:28 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 11:27:00 AM
Project: Swedish Block 95
Lab ID: 2104433-023
Matrix: Soil
Client Sample ID: B95-AB-01-14.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32201		Analyst: MM
Diesel (Fuel Oil)	ND	53.6		mg/Kg-dry	1	5/5/2021 9:58:35 PM
Heavy Oil	ND	107		mg/Kg-dry	1	5/5/2021 9:58:35 PM
Total Petroleum Hydrocarbons	ND	161		mg/Kg-dry	1	5/5/2021 9:58:35 PM
Surr: 2-Fluorobiphenyl	74.8	50 - 150		%Rec	1	5/5/2021 9:58:35 PM
Surr: o-Terphenyl	84.6	50 - 150		%Rec	1	5/5/2021 9:58:35 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	19.6		µg/Kg-dry	1	5/3/2021 10:49:14 PM
2-Methylnaphthalene	ND	19.6		µg/Kg-dry	1	5/3/2021 10:49:14 PM
1-Methylnaphthalene	ND	19.6		µg/Kg-dry	1	5/3/2021 10:49:14 PM
Acenaphthylene	ND	19.6		µg/Kg-dry	1	5/3/2021 10:49:14 PM
Acenaphthene	ND	19.6		µg/Kg-dry	1	5/3/2021 10:49:14 PM
Fluorene	ND	19.6		µg/Kg-dry	1	5/3/2021 10:49:14 PM
Phenanthrene	ND	39.2		µg/Kg-dry	1	5/3/2021 10:49:14 PM
Anthracene	ND	39.2		µg/Kg-dry	1	5/3/2021 10:49:14 PM
Fluoranthene	ND	39.2		µg/Kg-dry	1	5/3/2021 10:49:14 PM
Pyrene	ND	39.2		µg/Kg-dry	1	5/3/2021 10:49:14 PM
Benz(a)anthracene	ND	19.6		µg/Kg-dry	1	5/3/2021 10:49:14 PM
Chrysene	ND	39.2		µg/Kg-dry	1	5/3/2021 10:49:14 PM
Benzo(b)fluoranthene	ND	19.6		µg/Kg-dry	1	5/3/2021 10:49:14 PM
Benzo(k)fluoranthene	ND	19.6		µg/Kg-dry	1	5/3/2021 10:49:14 PM
Benzo(a)pyrene	ND	19.6		µg/Kg-dry	1	5/3/2021 10:49:14 PM
Indeno(1,2,3-cd)pyrene	ND	39.2		µg/Kg-dry	1	5/3/2021 10:49:14 PM
Dibenz(a,h)anthracene	ND	39.2		µg/Kg-dry	1	5/3/2021 10:49:14 PM
Benzo(g,h,i)perylene	ND	19.6		µg/Kg-dry	1	5/3/2021 10:49:14 PM
Surr: 2-Fluorobiphenyl	68.4	19 - 135		%Rec	1	5/3/2021 10:49:14 PM
Surr: Terphenyl-d14 (surr)	79.8	42.9 - 156		%Rec	1	5/3/2021 10:49:14 PM
Gasoline by NWTPH-Gx				Batch ID: 32175		Analyst: KT
Gasoline	ND	3.33		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Surr: Toluene-d8	94.8	65 - 135		%Rec	1	5/4/2021 11:23:03 PM
Surr: 4-Bromofluorobenzene	91.7	65 - 135		%Rec	1	5/4/2021 11:23:03 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32175		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0333		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Chloromethane	ND	0.0532		mg/Kg-dry	1	5/4/2021 11:23:03 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 11:27:00 AM
Project: Swedish Block 95
Lab ID: 2104433-023
Matrix: Soil
Client Sample ID: B95-AB-01-14.5

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32175 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0166		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Bromomethane	ND	0.0998		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Trichlorofluoromethane (CFC-11)	ND	0.0333		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Chloroethane	ND	0.0799		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,1-Dichloroethene	ND	0.0399		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Acetone	ND	0.599		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Methylene chloride	0.0502	0.0133		mg/Kg-dry	1	5/4/2021 11:23:03 PM
trans-1,2-Dichloroethene	ND	0.0200		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Methyl tert-butyl ether (MTBE)	ND	0.0200		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,1-Dichloroethane	ND	0.0166		mg/Kg-dry	1	5/4/2021 11:23:03 PM
cis-1,2-Dichloroethene	ND	0.0166		mg/Kg-dry	1	5/4/2021 11:23:03 PM
(MEK) 2-Butanone	ND	0.299		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Chloroform	ND	0.0166		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,1,1-Trichloroethane (TCA)	ND	0.0166		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,1-Dichloropropene	ND	0.0166		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Carbon tetrachloride	ND	0.0499		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,2-Dichloroethane (EDC)	ND	0.0153		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Benzene	ND	0.0133		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Trichloroethene (TCE)	ND	0.0166		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,2-Dichloropropane	ND	0.0133		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Bromodichloromethane	ND	0.0166		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Dibromomethane	ND	0.0133		mg/Kg-dry	1	5/4/2021 11:23:03 PM
cis-1,3-Dichloropropene	ND	0.0532		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Toluene	ND	0.0433		mg/Kg-dry	1	5/4/2021 11:23:03 PM
trans-1,3-Dichloropropylene	ND	0.0333		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0499		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,1,2-Trichloroethane	ND	0.0113		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,3-Dichloropropane	ND	0.0133		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Tetrachloroethene (PCE)	ND	0.0266		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Dibromochloromethane	ND	0.0133		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,2-Dibromoethane (EDB)	ND	0.0133		mg/Kg-dry	1	5/4/2021 11:23:03 PM
methyl n-butyl ketone	ND	0.0399		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Chlorobenzene	ND	0.0166		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,1,1,2-Tetrachloroethane	ND	0.0133		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Ethylbenzene	ND	0.0166		mg/Kg-dry	1	5/4/2021 11:23:03 PM
m,p-Xylene	ND	0.0333		mg/Kg-dry	1	5/4/2021 11:23:03 PM
o-Xylene	ND	0.0166		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Styrene	ND	0.0166		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Isopropylbenzene	ND	0.0200		mg/Kg-dry	1	5/4/2021 11:23:03 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 11:27:00 AM
Project: Swedish Block 95
Lab ID: 2104433-023
Matrix: Soil
Client Sample ID: B95-AB-01-14.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32175		Analyst: KT
Bromoform	ND	0.0166		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,1,2,2-Tetrachloroethane	ND	0.00998		mg/Kg-dry	1	5/4/2021 11:23:03 PM
n-Propylbenzene	ND	0.0200		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Bromobenzene	ND	0.0200		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,3,5-Trimethylbenzene	ND	0.0166		mg/Kg-dry	1	5/4/2021 11:23:03 PM
2-Chlorotoluene	ND	0.0200		mg/Kg-dry	1	5/4/2021 11:23:03 PM
4-Chlorotoluene	ND	0.0200		mg/Kg-dry	1	5/4/2021 11:23:03 PM
tert-Butylbenzene	ND	0.0200		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,2,3-Trichloropropane	ND	0.0166		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,2,4-Trichlorobenzene	ND	0.0266		mg/Kg-dry	1	5/4/2021 11:23:03 PM
sec-Butylbenzene	ND	0.0200		mg/Kg-dry	1	5/4/2021 11:23:03 PM
4-Isopropyltoluene	ND	0.0200		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,3-Dichlorobenzene	ND	0.0233		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,4-Dichlorobenzene	ND	0.0200		mg/Kg-dry	1	5/4/2021 11:23:03 PM
n-Butylbenzene	ND	0.0266		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,2-Dichlorobenzene	ND	0.0200		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,2-Dibromo-3-chloropropane	ND	0.0399		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,2,4-Trimethylbenzene	ND	0.0166		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Hexachloro-1,3-butadiene	ND	0.0333		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Naphthalene	ND	0.0665		mg/Kg-dry	1	5/4/2021 11:23:03 PM
1,2,3-Trichlorobenzene	ND	0.0333		mg/Kg-dry	1	5/4/2021 11:23:03 PM
Surr: Dibromofluoromethane	98.8	81.9 - 113		%Rec	1	5/4/2021 11:23:03 PM
Surr: Toluene-d8	98.3	82.7 - 115		%Rec	1	5/4/2021 11:23:03 PM
Surr: 1-Bromo-4-fluorobenzene	94.3	87.9 - 109		%Rec	1	5/4/2021 11:23:03 PM
Mercury by EPA Method 7471				Batch ID: 32228		Analyst: LB
Mercury	ND	0.279		mg/Kg-dry	1	5/7/2021 3:03:14 PM
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Arsenic	2.19	0.109		mg/Kg-dry	1	5/7/2021 3:14:20 PM
Barium	51.9	0.543		mg/Kg-dry	1	5/6/2021 5:17:55 PM
Cadmium	ND	0.181		mg/Kg-dry	1	5/6/2021 5:17:55 PM
Chromium	34.7	0.362		mg/Kg-dry	1	5/6/2021 5:17:55 PM
Lead	1.97	0.181		mg/Kg-dry	1	5/6/2021 5:17:55 PM
Selenium	0.424	0.181		mg/Kg-dry	1	5/7/2021 3:14:20 PM
Silver	ND	0.136		mg/Kg-dry	1	5/6/2021 5:17:55 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 11:27:00 AM
Project: Swedish Block 95
Lab ID: 2104433-023
Matrix: Soil
Client Sample ID: B95-AB-01-14.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R67019		Analyst: KJ
Percent Moisture	12.2	0.500		wt%	1	5/5/2021 10:08:28 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 9:45:00 AM
Project: Swedish Block 95
Lab ID: 2104433-026
Matrix: Soil
Client Sample ID: B95-AB-02-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32201		Analyst: MM
Diesel (Fuel Oil)	ND	54.4		mg/Kg-dry	1	5/5/2021 10:11:24 PM
Heavy Oil	ND	109		mg/Kg-dry	1	5/5/2021 10:11:24 PM
Total Petroleum Hydrocarbons	ND	163		mg/Kg-dry	1	5/5/2021 10:11:24 PM
Surr: 2-Fluorobiphenyl	70.9	50 - 150		%Rec	1	5/5/2021 10:11:24 PM
Surr: o-Terphenyl	77.6	50 - 150		%Rec	1	5/5/2021 10:11:24 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	21.2		µg/Kg-dry	1	5/3/2021 11:10:33 PM
2-Methylnaphthalene	ND	21.2		µg/Kg-dry	1	5/3/2021 11:10:33 PM
1-Methylnaphthalene	ND	21.2		µg/Kg-dry	1	5/3/2021 11:10:33 PM
Acenaphthylene	ND	21.2		µg/Kg-dry	1	5/3/2021 11:10:33 PM
Acenaphthene	ND	21.2		µg/Kg-dry	1	5/3/2021 11:10:33 PM
Fluorene	ND	21.2		µg/Kg-dry	1	5/3/2021 11:10:33 PM
Phenanthrene	85.6	42.3		µg/Kg-dry	1	5/3/2021 11:10:33 PM
Anthracene	ND	42.3		µg/Kg-dry	1	5/3/2021 11:10:33 PM
Fluoranthene	142	42.3		µg/Kg-dry	1	5/3/2021 11:10:33 PM
Pyrene	149	42.3		µg/Kg-dry	1	5/3/2021 11:10:33 PM
Benz(a)anthracene	60.4	21.2		µg/Kg-dry	1	5/3/2021 11:10:33 PM
Chrysene	79.5	42.3		µg/Kg-dry	1	5/3/2021 11:10:33 PM
Benzo(b)fluoranthene	56.3	21.2		µg/Kg-dry	1	5/3/2021 11:10:33 PM
Benzo(k)fluoranthene	76.1	21.2		µg/Kg-dry	1	5/3/2021 11:10:33 PM
Benzo(a)pyrene	83.4	21.2		µg/Kg-dry	1	5/3/2021 11:10:33 PM
Indeno(1,2,3-cd)pyrene	55.6	42.3		µg/Kg-dry	1	5/3/2021 11:10:33 PM
Dibenz(a,h)anthracene	ND	42.3		µg/Kg-dry	1	5/3/2021 11:10:33 PM
Benzo(g,h,i)perylene	68.1	21.2		µg/Kg-dry	1	5/3/2021 11:10:33 PM
Surr: 2-Fluorobiphenyl	73.0	19 - 135		%Rec	1	5/3/2021 11:10:33 PM
Surr: Terphenyl-d14 (surr)	83.9	42.9 - 156		%Rec	1	5/3/2021 11:10:33 PM
Gasoline by NWTPH-Gx				Batch ID: 32175		Analyst: KT
Gasoline	ND	3.09		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Surr: Toluene-d8	94.7	65 - 135		%Rec	1	5/4/2021 11:53:10 PM
Surr: 4-Bromofluorobenzene	90.5	65 - 135		%Rec	1	5/4/2021 11:53:10 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32175		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0309		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Chloromethane	ND	0.0494		mg/Kg-dry	1	5/4/2021 11:53:10 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 9:45:00 AM
Project: Swedish Block 95
Lab ID: 2104433-026
Matrix: Soil
Client Sample ID: B95-AB-02-5

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32175 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Bromomethane	ND	0.0927		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Trichlorofluoromethane (CFC-11)	ND	0.0309		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Chloroethane	ND	0.0741		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,1-Dichloroethene	ND	0.0371		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Acetone	ND	0.556		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Methylene chloride	0.0367	0.0124		mg/Kg-dry	1	5/4/2021 11:53:10 PM
trans-1,2-Dichloroethene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Methyl tert-butyl ether (MTBE)	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,1-Dichloroethane	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:53:10 PM
cis-1,2-Dichloroethene	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:53:10 PM
(MEK) 2-Butanone	ND	0.278		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Chloroform	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,1,1-Trichloroethane (TCA)	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,1-Dichloropropene	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Carbon tetrachloride	ND	0.0463		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,2-Dichloroethane (EDC)	ND	0.0142		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Benzene	ND	0.0124		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Trichloroethene (TCE)	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,2-Dichloropropane	ND	0.0124		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Bromodichloromethane	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Dibromomethane	ND	0.0124		mg/Kg-dry	1	5/4/2021 11:53:10 PM
cis-1,3-Dichloropropene	ND	0.0494		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Toluene	ND	0.0402		mg/Kg-dry	1	5/4/2021 11:53:10 PM
trans-1,3-Dichloropropylene	ND	0.0309		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0463		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,1,2-Trichloroethane	ND	0.0105		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,3-Dichloropropane	ND	0.0124		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Tetrachloroethene (PCE)	ND	0.0247		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Dibromochloromethane	ND	0.0124		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,2-Dibromoethane (EDB)	ND	0.0124		mg/Kg-dry	1	5/4/2021 11:53:10 PM
methyl n-butyl ketone	ND	0.0371		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Chlorobenzene	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,1,1,2-Tetrachloroethane	ND	0.0124		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Ethylbenzene	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:53:10 PM
m,p-Xylene	ND	0.0309		mg/Kg-dry	1	5/4/2021 11:53:10 PM
o-Xylene	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Styrene	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Isopropylbenzene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:53:10 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 9:45:00 AM
Project: Swedish Block 95
Lab ID: 2104433-026
Matrix: Soil
Client Sample ID: B95-AB-02-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32175		Analyst: KT
Bromoform	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,1,2,2-Tetrachloroethane	ND	0.00927		mg/Kg-dry	1	5/4/2021 11:53:10 PM
n-Propylbenzene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Bromobenzene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,3,5-Trimethylbenzene	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:53:10 PM
2-Chlorotoluene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:53:10 PM
4-Chlorotoluene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:53:10 PM
tert-Butylbenzene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,2,3-Trichloropropane	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,2,4-Trichlorobenzene	ND	0.0247		mg/Kg-dry	1	5/4/2021 11:53:10 PM
sec-Butylbenzene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:53:10 PM
4-Isopropyltoluene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,3-Dichlorobenzene	ND	0.0216		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,4-Dichlorobenzene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:53:10 PM
n-Butylbenzene	ND	0.0247		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,2-Dichlorobenzene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,2-Dibromo-3-chloropropane	ND	0.0371		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,2,4-Trimethylbenzene	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Hexachloro-1,3-butadiene	ND	0.0309		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Naphthalene	ND	0.0618		mg/Kg-dry	1	5/4/2021 11:53:10 PM
1,2,3-Trichlorobenzene	ND	0.0309		mg/Kg-dry	1	5/4/2021 11:53:10 PM
Surr: Dibromofluoromethane	98.3	81.9 - 113		%Rec	1	5/4/2021 11:53:10 PM
Surr: Toluene-d8	97.8	82.7 - 115		%Rec	1	5/4/2021 11:53:10 PM
Surr: 1-Bromo-4-fluorobenzene	92.8	87.9 - 109		%Rec	1	5/4/2021 11:53:10 PM
Mercury by EPA Method 7471				Batch ID: 32228		Analyst: LB
Mercury	ND	0.252		mg/Kg-dry	1	5/7/2021 3:04:51 PM
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Arsenic	11.8	0.109		mg/Kg-dry	1	5/7/2021 3:19:54 PM
Barium	267	5.43	D	mg/Kg-dry	10	5/7/2021 3:25:28 PM
Cadmium	0.944	0.181		mg/Kg-dry	1	5/6/2021 5:23:29 PM
Chromium	35.3	0.362		mg/Kg-dry	1	5/6/2021 5:23:29 PM
Lead	158	1.81	D	mg/Kg-dry	10	5/7/2021 3:25:28 PM
Selenium	0.585	0.181		mg/Kg-dry	1	5/7/2021 3:19:54 PM
Silver	0.202	0.136		mg/Kg-dry	1	5/6/2021 5:23:29 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 9:45:00 AM
Project: Swedish Block 95
Lab ID: 2104433-026
Matrix: Soil
Client Sample ID: B95-AB-02-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R67019		Analyst: KJ
Percent Moisture	11.5	0.500		wt%	1	5/5/2021 10:08:28 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 9:50:00 AM
Project: Swedish Block 95
Lab ID: 2104433-027
Matrix: Soil
Client Sample ID: B95-AB-02-7.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32316		Analyst: IH
Benz(a)anthracene	ND	22.8	H	µg/Kg-dry	1	5/14/2021 7:50:20 PM
Chrysene	ND	45.7	H	µg/Kg-dry	1	5/14/2021 7:50:20 PM
Benzo(b)fluoranthene	ND	22.8	H	µg/Kg-dry	1	5/14/2021 7:50:20 PM
Benzo(k)fluoranthene	ND	22.8	H	µg/Kg-dry	1	5/14/2021 7:50:20 PM
Benzo(a)pyrene	ND	22.8	H	µg/Kg-dry	1	5/14/2021 7:50:20 PM
Indeno(1,2,3-cd)pyrene	ND	45.7	H	µg/Kg-dry	1	5/14/2021 7:50:20 PM
Dibenz(a,h)anthracene	ND	45.7	H	µg/Kg-dry	1	5/14/2021 7:50:20 PM
Surr: 2-Fluorobiphenyl	76.7	19 - 135	H	%Rec	1	5/14/2021 7:50:20 PM
Surr: Terphenyl-d14 (surr)	94.7	42.9 - 156	H	%Rec	1	5/14/2021 7:50:20 PM
Sample Moisture (Percent Moisture)				Batch ID: R67312		Analyst: KJ
Percent Moisture	13.2	0.500		wt%	1	5/18/2021 3:12:55 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 9:59:00 AM
Project: Swedish Block 95
Lab ID: 2104433-029
Matrix: Soil
Client Sample ID: B95-AB-02-12.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32201		Analyst: MM
Diesel (Fuel Oil)	ND	49.1		mg/Kg-dry	1	5/5/2021 10:24:03 PM
Heavy Oil	ND	98.3		mg/Kg-dry	1	5/5/2021 10:24:03 PM
Total Petroleum Hydrocarbons	ND	147		mg/Kg-dry	1	5/5/2021 10:24:03 PM
Surr: 2-Fluorobiphenyl	56.9	50 - 150		%Rec	1	5/5/2021 10:24:03 PM
Surr: o-Terphenyl	68.3	50 - 150		%Rec	1	5/5/2021 10:24:03 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	21.8		µg/Kg-dry	1	5/3/2021 11:31:56 PM
2-Methylnaphthalene	ND	21.8		µg/Kg-dry	1	5/3/2021 11:31:56 PM
1-Methylnaphthalene	ND	21.8		µg/Kg-dry	1	5/3/2021 11:31:56 PM
Acenaphthylene	ND	21.8		µg/Kg-dry	1	5/3/2021 11:31:56 PM
Acenaphthene	ND	21.8		µg/Kg-dry	1	5/3/2021 11:31:56 PM
Fluorene	ND	21.8		µg/Kg-dry	1	5/3/2021 11:31:56 PM
Phenanthrene	ND	43.6		µg/Kg-dry	1	5/3/2021 11:31:56 PM
Anthracene	ND	43.6		µg/Kg-dry	1	5/3/2021 11:31:56 PM
Fluoranthene	ND	43.6		µg/Kg-dry	1	5/3/2021 11:31:56 PM
Pyrene	ND	43.6		µg/Kg-dry	1	5/3/2021 11:31:56 PM
Benz(a)anthracene	ND	21.8		µg/Kg-dry	1	5/3/2021 11:31:56 PM
Chrysene	ND	43.6		µg/Kg-dry	1	5/3/2021 11:31:56 PM
Benzo(b)fluoranthene	ND	21.8		µg/Kg-dry	1	5/3/2021 11:31:56 PM
Benzo(k)fluoranthene	ND	21.8		µg/Kg-dry	1	5/3/2021 11:31:56 PM
Benzo(a)pyrene	ND	21.8		µg/Kg-dry	1	5/3/2021 11:31:56 PM
Indeno(1,2,3-cd)pyrene	ND	43.6		µg/Kg-dry	1	5/3/2021 11:31:56 PM
Dibenz(a,h)anthracene	ND	43.6		µg/Kg-dry	1	5/3/2021 11:31:56 PM
Benzo(g,h,i)perylene	ND	21.8		µg/Kg-dry	1	5/3/2021 11:31:56 PM
Surr: 2-Fluorobiphenyl	70.5	19 - 135		%Rec	1	5/3/2021 11:31:56 PM
Surr: Terphenyl-d14 (surr)	81.8	42.9 - 156		%Rec	1	5/3/2021 11:31:56 PM
Gasoline by NWTPH-Gx				Batch ID: 32187		Analyst: CR
Gasoline	ND	3.49		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Surr: Toluene-d8	99.5	65 - 135		%Rec	1	5/4/2021 10:06:03 PM
Surr: 4-Bromofluorobenzene	99.5	65 - 135		%Rec	1	5/4/2021 10:06:03 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32187		Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0349		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Chloromethane	ND	0.0558		mg/Kg-dry	1	5/4/2021 10:06:03 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 9:59:00 AM
Project: Swedish Block 95
Lab ID: 2104433-029
Matrix: Soil
Client Sample ID: B95-AB-02-12.5

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0175		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Bromomethane	ND	0.105		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Trichlorofluoromethane (CFC-11)	ND	0.0349		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Chloroethane	ND	0.0838		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,1-Dichloroethene	ND	0.0419		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Acetone	ND	0.628		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Methylene chloride	0.0347	0.0140		mg/Kg-dry	1	5/4/2021 10:06:03 PM
trans-1,2-Dichloroethene	ND	0.0209		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Methyl tert-butyl ether (MTBE)	ND	0.0209		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,1-Dichloroethane	ND	0.0175		mg/Kg-dry	1	5/4/2021 10:06:03 PM
cis-1,2-Dichloroethene	ND	0.0175		mg/Kg-dry	1	5/4/2021 10:06:03 PM
(MEK) 2-Butanone	ND	0.314		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Chloroform	ND	0.0175		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,1,1-Trichloroethane (TCA)	ND	0.0175		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,1-Dichloropropene	ND	0.0175		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Carbon tetrachloride	ND	0.0524		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,2-Dichloroethane (EDC)	ND	0.0161		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Benzene	ND	0.0140		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Trichloroethene (TCE)	ND	0.0175		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,2-Dichloropropane	ND	0.0140		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Bromodichloromethane	ND	0.0175		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Dibromomethane	ND	0.0140		mg/Kg-dry	1	5/4/2021 10:06:03 PM
cis-1,3-Dichloropropene	ND	0.0558		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Toluene	ND	0.0454		mg/Kg-dry	1	5/4/2021 10:06:03 PM
trans-1,3-Dichloropropylene	ND	0.0349		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0524		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,1,2-Trichloroethane	ND	0.0119		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,3-Dichloropropane	ND	0.0140		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Tetrachloroethene (PCE)	ND	0.0279		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Dibromochloromethane	ND	0.0140		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,2-Dibromoethane (EDB)	ND	0.0140		mg/Kg-dry	1	5/4/2021 10:06:03 PM
methyl n-butyl ketone	ND	0.0419		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Chlorobenzene	ND	0.0175		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,1,1,2-Tetrachloroethane	ND	0.0140		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Ethylbenzene	ND	0.0175		mg/Kg-dry	1	5/4/2021 10:06:03 PM
m,p-Xylene	ND	0.0349		mg/Kg-dry	1	5/4/2021 10:06:03 PM
o-Xylene	ND	0.0175		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Styrene	ND	0.0175		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Isopropylbenzene	ND	0.0209		mg/Kg-dry	1	5/4/2021 10:06:03 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 9:59:00 AM
Project: Swedish Block 95
Lab ID: 2104433-029
Matrix: Soil
Client Sample ID: B95-AB-02-12.5

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Bromoform	ND	0.0175		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,1,2,2-Tetrachloroethane	ND	0.0105	Q	mg/Kg-dry	1	5/4/2021 10:06:03 PM
n-Propylbenzene	ND	0.0209		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Bromobenzene	ND	0.0209		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,3,5-Trimethylbenzene	ND	0.0175		mg/Kg-dry	1	5/4/2021 10:06:03 PM
2-Chlorotoluene	ND	0.0209		mg/Kg-dry	1	5/4/2021 10:06:03 PM
4-Chlorotoluene	ND	0.0209		mg/Kg-dry	1	5/4/2021 10:06:03 PM
tert-Butylbenzene	ND	0.0209		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,2,3-Trichloropropane	ND	0.0175		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,2,4-Trichlorobenzene	ND	0.0279		mg/Kg-dry	1	5/4/2021 10:06:03 PM
sec-Butylbenzene	ND	0.0209		mg/Kg-dry	1	5/4/2021 10:06:03 PM
4-Isopropyltoluene	ND	0.0209		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,3-Dichlorobenzene	ND	0.0244		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,4-Dichlorobenzene	ND	0.0209		mg/Kg-dry	1	5/4/2021 10:06:03 PM
n-Butylbenzene	ND	0.0279		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,2-Dichlorobenzene	ND	0.0209		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,2-Dibromo-3-chloropropane	ND	0.0419		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,2,4-Trimethylbenzene	ND	0.0175		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Hexachloro-1,3-butadiene	ND	0.0349		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Naphthalene	ND	0.0698		mg/Kg-dry	1	5/4/2021 10:06:03 PM
1,2,3-Trichlorobenzene	ND	0.0349		mg/Kg-dry	1	5/4/2021 10:06:03 PM
Surr: Dibromofluoromethane	83.6	81.9 - 113		%Rec	1	5/4/2021 10:06:03 PM
Surr: Toluene-d8	103	82.7 - 115		%Rec	1	5/4/2021 10:06:03 PM
Surr: 1-Bromo-4-fluorobenzene	97.7	87.9 - 109		%Rec	1	5/4/2021 10:06:03 PM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Mercury by EPA Method 7471

Batch ID: 32228 Analyst: LB

Mercury	ND	0.260		mg/Kg-dry	1	5/7/2021 3:06:34 PM

Total Metals by EPA Method 6020B

Batch ID: 32194 Analyst: EH

Arsenic	2.55	0.110		mg/Kg-dry	1	5/7/2021 3:31:02 PM
Barium	62.1	0.548		mg/Kg-dry	1	5/6/2021 5:29:02 PM
Cadmium	ND	0.183		mg/Kg-dry	1	5/6/2021 5:29:02 PM
Chromium	35.1	0.365		mg/Kg-dry	1	5/6/2021 5:29:02 PM
Lead	2.25	0.183		mg/Kg-dry	1	5/6/2021 5:29:02 PM
Selenium	0.320	0.183		mg/Kg-dry	1	5/7/2021 3:31:02 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 9:59:00 AM
Project: Swedish Block 95
Lab ID: 2104433-029
Matrix: Soil
Client Sample ID: B95-AB-02-12.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Silver	ND	0.137		mg/Kg-dry	1	5/6/2021 5:29:02 PM
Sample Moisture (Percent Moisture)				Batch ID: R67019		Analyst: KJ
Percent Moisture	12.4	0.500		wt%	1	5/5/2021 10:08:28 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 10:30:00 AM
Project: Swedish Block 95
Lab ID: 2104433-030
Matrix: Soil
Client Sample ID: B95-AB-02-21.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32201		Analyst: MM
Diesel (Fuel Oil)	ND	49.3		mg/Kg-dry	1	5/5/2021 10:36:54 PM
Heavy Oil	142	98.6		mg/Kg-dry	1	5/5/2021 10:36:54 PM
Total Petroleum Hydrocarbons	ND	148		mg/Kg-dry	1	5/5/2021 10:36:54 PM
Surr: 2-Fluorobiphenyl	69.9	50 - 150		%Rec	1	5/5/2021 10:36:54 PM
Surr: o-Terphenyl	78.3	50 - 150		%Rec	1	5/5/2021 10:36:54 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	21.5		µg/Kg-dry	1	5/3/2021 11:53:18 PM
2-Methylnaphthalene	ND	21.5		µg/Kg-dry	1	5/3/2021 11:53:18 PM
1-Methylnaphthalene	ND	21.5		µg/Kg-dry	1	5/3/2021 11:53:18 PM
Acenaphthylene	ND	21.5		µg/Kg-dry	1	5/3/2021 11:53:18 PM
Acenaphthene	ND	21.5		µg/Kg-dry	1	5/3/2021 11:53:18 PM
Fluorene	ND	21.5		µg/Kg-dry	1	5/3/2021 11:53:18 PM
Phenanthrene	ND	42.9		µg/Kg-dry	1	5/3/2021 11:53:18 PM
Anthracene	ND	42.9		µg/Kg-dry	1	5/3/2021 11:53:18 PM
Fluoranthene	ND	42.9		µg/Kg-dry	1	5/3/2021 11:53:18 PM
Pyrene	ND	42.9		µg/Kg-dry	1	5/3/2021 11:53:18 PM
Benz(a)anthracene	ND	21.5		µg/Kg-dry	1	5/3/2021 11:53:18 PM
Chrysene	ND	42.9		µg/Kg-dry	1	5/3/2021 11:53:18 PM
Benzo(b)fluoranthene	ND	21.5		µg/Kg-dry	1	5/3/2021 11:53:18 PM
Benzo(k)fluoranthene	ND	21.5		µg/Kg-dry	1	5/3/2021 11:53:18 PM
Benzo(a)pyrene	ND	21.5		µg/Kg-dry	1	5/3/2021 11:53:18 PM
Indeno(1,2,3-cd)pyrene	ND	42.9		µg/Kg-dry	1	5/3/2021 11:53:18 PM
Dibenz(a,h)anthracene	ND	42.9		µg/Kg-dry	1	5/3/2021 11:53:18 PM
Benzo(g,h,i)perylene	ND	21.5		µg/Kg-dry	1	5/3/2021 11:53:18 PM
Surr: 2-Fluorobiphenyl	70.4	19 - 135		%Rec	1	5/3/2021 11:53:18 PM
Surr: Terphenyl-d14 (surr)	81.0	42.9 - 156		%Rec	1	5/3/2021 11:53:18 PM
Gasoline by NWTPH-Gx				Batch ID: 32187		Analyst: CR
Gasoline	ND	3.08		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Surr: Toluene-d8	99.8	65 - 135		%Rec	1	5/4/2021 11:06:42 PM
Surr: 4-Bromofluorobenzene	103	65 - 135		%Rec	1	5/4/2021 11:06:42 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32187		Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0308		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Chloromethane	ND	0.0493		mg/Kg-dry	1	5/4/2021 11:06:42 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 10:30:00 AM
Project: Swedish Block 95
Lab ID: 2104433-030
Matrix: Soil
Client Sample ID: B95-AB-02-21.5

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Bromomethane	ND	0.0925		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Trichlorofluoromethane (CFC-11)	ND	0.0308		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Chloroethane	ND	0.0740		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,1-Dichloroethene	ND	0.0370		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Acetone	ND	0.555		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Methylene chloride	0.0279	0.0123		mg/Kg-dry	1	5/4/2021 11:06:42 PM
trans-1,2-Dichloroethene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Methyl tert-butyl ether (MTBE)	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,1-Dichloroethane	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:06:42 PM
cis-1,2-Dichloroethene	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:06:42 PM
(MEK) 2-Butanone	ND	0.278		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Chloroform	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,1,1-Trichloroethane (TCA)	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,1-Dichloropropene	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Carbon tetrachloride	ND	0.0463		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,2-Dichloroethane (EDC)	ND	0.0142		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Benzene	ND	0.0123		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Trichloroethene (TCE)	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,2-Dichloropropane	ND	0.0123		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Bromodichloromethane	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Dibromomethane	ND	0.0123		mg/Kg-dry	1	5/4/2021 11:06:42 PM
cis-1,3-Dichloropropene	ND	0.0493		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Toluene	ND	0.0401		mg/Kg-dry	1	5/4/2021 11:06:42 PM
trans-1,3-Dichloropropylene	ND	0.0308		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0463		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,1,2-Trichloroethane	ND	0.0105		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,3-Dichloropropane	ND	0.0123		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Tetrachloroethene (PCE)	ND	0.0247		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Dibromochloromethane	ND	0.0123		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,2-Dibromoethane (EDB)	ND	0.0123		mg/Kg-dry	1	5/4/2021 11:06:42 PM
methyl n-butyl ketone	ND	0.0370		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Chlorobenzene	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,1,1,2-Tetrachloroethane	ND	0.0123		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Ethylbenzene	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:06:42 PM
m,p-Xylene	ND	0.0308		mg/Kg-dry	1	5/4/2021 11:06:42 PM
o-Xylene	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Styrene	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Isopropylbenzene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:06:42 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 10:30:00 AM
Project: Swedish Block 95
Lab ID: 2104433-030
Matrix: Soil
Client Sample ID: B95-AB-02-21.5

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Bromoform	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,1,2,2-Tetrachloroethane	ND	0.00925	Q	mg/Kg-dry	1	5/4/2021 11:06:42 PM
n-Propylbenzene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Bromobenzene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,3,5-Trimethylbenzene	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:06:42 PM
2-Chlorotoluene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:06:42 PM
4-Chlorotoluene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:06:42 PM
tert-Butylbenzene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,2,3-Trichloropropane	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,2,4-Trichlorobenzene	ND	0.0247		mg/Kg-dry	1	5/4/2021 11:06:42 PM
sec-Butylbenzene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:06:42 PM
4-Isopropyltoluene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,3-Dichlorobenzene	ND	0.0216		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,4-Dichlorobenzene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:06:42 PM
n-Butylbenzene	ND	0.0247		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,2-Dichlorobenzene	ND	0.0185		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,2-Dibromo-3-chloropropane	ND	0.0370		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,2,4-Trimethylbenzene	ND	0.0154		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Hexachloro-1,3-butadiene	ND	0.0308		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Naphthalene	ND	0.0617		mg/Kg-dry	1	5/4/2021 11:06:42 PM
1,2,3-Trichlorobenzene	ND	0.0308		mg/Kg-dry	1	5/4/2021 11:06:42 PM
Surr: Dibromofluoromethane	91.1	81.9 - 113		%Rec	1	5/4/2021 11:06:42 PM
Surr: Toluene-d8	106	82.7 - 115		%Rec	1	5/4/2021 11:06:42 PM
Surr: 1-Bromo-4-fluorobenzene	101	87.9 - 109		%Rec	1	5/4/2021 11:06:42 PM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Mercury by EPA Method 7471

Batch ID: 32229 Analyst: LB

Mercury	ND	0.262		mg/Kg-dry	1	5/7/2021 3:14:38 PM

Total Metals by EPA Method 6020B

Batch ID: 32194 Analyst: EH

Arsenic	5.77	0.109		mg/Kg-dry	1	5/7/2021 3:36:36 PM
Barium	86.4	0.544		mg/Kg-dry	1	5/6/2021 5:34:36 PM
Cadmium	ND	0.181		mg/Kg-dry	1	5/6/2021 5:34:36 PM
Chromium	38.7	0.363		mg/Kg-dry	1	5/6/2021 5:34:36 PM
Lead	49.1	0.181		mg/Kg-dry	1	5/6/2021 5:34:36 PM
Selenium	0.525	0.181		mg/Kg-dry	1	5/7/2021 3:36:36 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 10:30:00 AM
Project: Swedish Block 95
Lab ID: 2104433-030
Matrix: Soil
Client Sample ID: B95-AB-02-21.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Silver	ND	0.136		mg/Kg-dry	1	5/6/2021 5:34:36 PM
Sample Moisture (Percent Moisture)				Batch ID: R67019		Analyst: KJ
Percent Moisture	13.2	0.500		wt%	1	5/5/2021 10:08:28 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 8:48:00 AM
Project: Swedish Block 95
Lab ID: 2104433-033
Matrix: Soil
Client Sample ID: B95-AB-03-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32201		Analyst: MM
Diesel (Fuel Oil)	ND	49.3		mg/Kg-dry	1	5/5/2021 10:49:33 PM
Heavy Oil	ND	98.5		mg/Kg-dry	1	5/5/2021 10:49:33 PM
Total Petroleum Hydrocarbons	ND	148		mg/Kg-dry	1	5/5/2021 10:49:33 PM
Surr: 2-Fluorobiphenyl	79.8	50 - 150		%Rec	1	5/5/2021 10:49:33 PM
Surr: o-Terphenyl	87.1	50 - 150		%Rec	1	5/5/2021 10:49:33 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	20.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
2-Methylnaphthalene	ND	20.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
1-Methylnaphthalene	ND	20.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
Acenaphthylene	ND	20.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
Acenaphthene	ND	20.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
Fluorene	ND	20.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
Phenanthrene	ND	40.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
Anthracene	ND	40.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
Fluoranthene	ND	40.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
Pyrene	ND	40.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
Benz(a)anthracene	ND	20.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
Chrysene	ND	40.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
Benzo(b)fluoranthene	ND	20.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
Benzo(k)fluoranthene	ND	20.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
Benzo(a)pyrene	ND	20.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
Indeno(1,2,3-cd)pyrene	ND	40.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
Dibenz(a,h)anthracene	ND	40.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
Benzo(g,h,i)perylene	ND	20.0		µg/Kg-dry	1	5/4/2021 12:14:37 AM
Surr: 2-Fluorobiphenyl	70.2	19 - 135		%Rec	1	5/4/2021 12:14:37 AM
Surr: Terphenyl-d14 (surr)	81.2	42.9 - 156		%Rec	1	5/4/2021 12:14:37 AM
Gasoline by NWTPH-Gx				Batch ID: 32187		Analyst: CR
Gasoline	ND	3.37		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Surr: Toluene-d8	100	65 - 135		%Rec	1	5/4/2021 11:37:04 PM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	5/4/2021 11:37:04 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32187		Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0337		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Chloromethane	ND	0.0539		mg/Kg-dry	1	5/4/2021 11:37:04 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 8:48:00 AM
Project: Swedish Block 95
Lab ID: 2104433-033
Matrix: Soil
Client Sample ID: B95-AB-03-7

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0168		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Bromomethane	ND	0.101		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Trichlorofluoromethane (CFC-11)	ND	0.0337		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Chloroethane	ND	0.0809		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,1-Dichloroethene	ND	0.0404		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Acetone	ND	0.607		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Methylene chloride	ND	0.0135		mg/Kg-dry	1	5/4/2021 11:37:04 PM
trans-1,2-Dichloroethene	ND	0.0202		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Methyl tert-butyl ether (MTBE)	ND	0.0202		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,1-Dichloroethane	ND	0.0168		mg/Kg-dry	1	5/4/2021 11:37:04 PM
cis-1,2-Dichloroethene	ND	0.0168		mg/Kg-dry	1	5/4/2021 11:37:04 PM
(MEK) 2-Butanone	ND	0.303		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Chloroform	ND	0.0168		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,1,1-Trichloroethane (TCA)	ND	0.0168		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,1-Dichloropropene	ND	0.0168		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Carbon tetrachloride	ND	0.0505		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,2-Dichloroethane (EDC)	ND	0.0155		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Benzene	ND	0.0135		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Trichloroethene (TCE)	ND	0.0168		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,2-Dichloropropane	ND	0.0135		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Bromodichloromethane	ND	0.0168		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Dibromomethane	ND	0.0135		mg/Kg-dry	1	5/4/2021 11:37:04 PM
cis-1,3-Dichloropropene	ND	0.0539		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Toluene	ND	0.0438		mg/Kg-dry	1	5/4/2021 11:37:04 PM
trans-1,3-Dichloropropylene	ND	0.0337		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0505		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,1,2-Trichloroethane	ND	0.0115		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,3-Dichloropropane	ND	0.0135		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Tetrachloroethene (PCE)	ND	0.0270		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Dibromochloromethane	ND	0.0135		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,2-Dibromoethane (EDB)	ND	0.0135		mg/Kg-dry	1	5/4/2021 11:37:04 PM
methyl n-butyl ketone	ND	0.0404		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Chlorobenzene	ND	0.0168		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,1,1,2-Tetrachloroethane	ND	0.0135		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Ethylbenzene	ND	0.0168		mg/Kg-dry	1	5/4/2021 11:37:04 PM
m,p-Xylene	ND	0.0337		mg/Kg-dry	1	5/4/2021 11:37:04 PM
o-Xylene	ND	0.0168		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Styrene	ND	0.0168		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Isopropylbenzene	ND	0.0202		mg/Kg-dry	1	5/4/2021 11:37:04 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 8:48:00 AM
Project: Swedish Block 95
Lab ID: 2104433-033
Matrix: Soil
Client Sample ID: B95-AB-03-7

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Bromoform	ND	0.0168		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,1,2,2-Tetrachloroethane	ND	0.0101	Q	mg/Kg-dry	1	5/4/2021 11:37:04 PM
n-Propylbenzene	ND	0.0202		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Bromobenzene	ND	0.0202		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,3,5-Trimethylbenzene	ND	0.0168		mg/Kg-dry	1	5/4/2021 11:37:04 PM
2-Chlorotoluene	ND	0.0202		mg/Kg-dry	1	5/4/2021 11:37:04 PM
4-Chlorotoluene	ND	0.0202		mg/Kg-dry	1	5/4/2021 11:37:04 PM
tert-Butylbenzene	ND	0.0202		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,2,3-Trichloropropane	ND	0.0168		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,2,4-Trichlorobenzene	ND	0.0270		mg/Kg-dry	1	5/4/2021 11:37:04 PM
sec-Butylbenzene	ND	0.0202		mg/Kg-dry	1	5/4/2021 11:37:04 PM
4-Isopropyltoluene	ND	0.0202		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,3-Dichlorobenzene	ND	0.0236		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,4-Dichlorobenzene	ND	0.0202		mg/Kg-dry	1	5/4/2021 11:37:04 PM
n-Butylbenzene	ND	0.0270		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,2-Dichlorobenzene	ND	0.0202		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,2-Dibromo-3-chloropropane	ND	0.0404		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,2,4-Trimethylbenzene	ND	0.0168		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Hexachloro-1,3-butadiene	ND	0.0337		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Naphthalene	ND	0.0674		mg/Kg-dry	1	5/4/2021 11:37:04 PM
1,2,3-Trichlorobenzene	ND	0.0337		mg/Kg-dry	1	5/4/2021 11:37:04 PM
Surr: Dibromofluoromethane	92.1	81.9 - 113		%Rec	1	5/4/2021 11:37:04 PM
Surr: Toluene-d8	104	82.7 - 115		%Rec	1	5/4/2021 11:37:04 PM
Surr: 1-Bromo-4-fluorobenzene	98.6	87.9 - 109		%Rec	1	5/4/2021 11:37:04 PM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Mercury by EPA Method 7471

Batch ID: 32229 Analyst: LB

Mercury	ND	0.258		mg/Kg-dry	1	5/7/2021 3:21:06 PM

Total Metals by EPA Method 6020B

Batch ID: 32194 Analyst: EH

Arsenic	6.15	0.104		mg/Kg-dry	1	5/7/2021 3:42:10 PM
Barium	117	0.518		mg/Kg-dry	1	5/6/2021 5:40:09 PM
Cadmium	ND	0.173		mg/Kg-dry	1	5/6/2021 5:40:09 PM
Chromium	31.7	0.345		mg/Kg-dry	1	5/6/2021 5:40:09 PM
Lead	7.05	0.173		mg/Kg-dry	1	5/6/2021 5:40:09 PM
Selenium	0.239	0.173		mg/Kg-dry	1	5/7/2021 3:42:10 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 8:48:00 AM
Project: Swedish Block 95
Lab ID: 2104433-033
Matrix: Soil
Client Sample ID: B95-AB-03-7

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Silver	ND	0.129		mg/Kg-dry	1	5/6/2021 5:40:09 PM
Sample Moisture (Percent Moisture)				Batch ID: R67019		Analyst: KJ
Percent Moisture	10.2	0.500		wt%	1	5/5/2021 10:08:28 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 9:32:00 AM
Project: Swedish Block 95
Lab ID: 2104433-036
Matrix: Soil
Client Sample ID: B95-AB-03-22.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32201		Analyst: MM
Diesel (Fuel Oil)	ND	53.0		mg/Kg-dry	1	5/5/2021 11:02:13 PM
Heavy Oil	ND	106		mg/Kg-dry	1	5/5/2021 11:02:13 PM
Total Petroleum Hydrocarbons	ND	159		mg/Kg-dry	1	5/5/2021 11:02:13 PM
Surr: 2-Fluorobiphenyl	84.9	50 - 150		%Rec	1	5/5/2021 11:02:13 PM
Surr: o-Terphenyl	90.1	50 - 150		%Rec	1	5/5/2021 11:02:13 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	18.3		µg/Kg-dry	1	5/4/2021 12:36:01 AM
2-Methylnaphthalene	ND	18.3		µg/Kg-dry	1	5/4/2021 12:36:01 AM
1-Methylnaphthalene	ND	18.3		µg/Kg-dry	1	5/4/2021 12:36:01 AM
Acenaphthylene	ND	18.3		µg/Kg-dry	1	5/4/2021 12:36:01 AM
Acenaphthene	ND	18.3		µg/Kg-dry	1	5/4/2021 12:36:01 AM
Fluorene	ND	18.3		µg/Kg-dry	1	5/4/2021 12:36:01 AM
Phenanthrene	ND	36.6		µg/Kg-dry	1	5/4/2021 12:36:01 AM
Anthracene	ND	36.6		µg/Kg-dry	1	5/4/2021 12:36:01 AM
Fluoranthene	ND	36.6		µg/Kg-dry	1	5/4/2021 12:36:01 AM
Pyrene	ND	36.6		µg/Kg-dry	1	5/4/2021 12:36:01 AM
Benz(a)anthracene	ND	18.3		µg/Kg-dry	1	5/4/2021 12:36:01 AM
Chrysene	ND	36.6		µg/Kg-dry	1	5/4/2021 12:36:01 AM
Benzo(b)fluoranthene	ND	18.3		µg/Kg-dry	1	5/4/2021 12:36:01 AM
Benzo(k)fluoranthene	ND	18.3		µg/Kg-dry	1	5/4/2021 12:36:01 AM
Benzo(a)pyrene	ND	18.3		µg/Kg-dry	1	5/4/2021 12:36:01 AM
Indeno(1,2,3-cd)pyrene	ND	36.6		µg/Kg-dry	1	5/4/2021 12:36:01 AM
Dibenz(a,h)anthracene	ND	36.6		µg/Kg-dry	1	5/4/2021 12:36:01 AM
Benzo(g,h,i)perylene	ND	18.3		µg/Kg-dry	1	5/4/2021 12:36:01 AM
Surr: 2-Fluorobiphenyl	67.1	19 - 135		%Rec	1	5/4/2021 12:36:01 AM
Surr: Terphenyl-d14 (surr)	79.9	42.9 - 156		%Rec	1	5/4/2021 12:36:01 AM
Gasoline by NWTPH-Gx				Batch ID: 32187		Analyst: CR
Gasoline	ND	4.74		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Surr: Toluene-d8	99.7	65 - 135		%Rec	1	5/5/2021 12:37:52 AM
Surr: 4-Bromofluorobenzene	98.6	65 - 135		%Rec	1	5/5/2021 12:37:52 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32187		Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0474		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Chloromethane	ND	0.0759		mg/Kg-dry	1	5/5/2021 12:37:52 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 9:32:00 AM
Project: Swedish Block 95
Lab ID: 2104433-036
Matrix: Soil
Client Sample ID: B95-AB-03-22.5

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0237		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Bromomethane	ND	0.142		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Trichlorofluoromethane (CFC-11)	ND	0.0474		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Chloroethane	ND	0.114		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,1-Dichloroethene	ND	0.0569		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Acetone	ND	0.854		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Methylene chloride	ND	0.0190		mg/Kg-dry	1	5/5/2021 12:37:52 AM
trans-1,2-Dichloroethene	ND	0.0285		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Methyl tert-butyl ether (MTBE)	ND	0.0285		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,1-Dichloroethane	ND	0.0237		mg/Kg-dry	1	5/5/2021 12:37:52 AM
cis-1,2-Dichloroethene	ND	0.0237		mg/Kg-dry	1	5/5/2021 12:37:52 AM
(MEK) 2-Butanone	ND	0.427		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Chloroform	ND	0.0237		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,1,1-Trichloroethane (TCA)	ND	0.0237		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,1-Dichloropropene	ND	0.0237		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Carbon tetrachloride	ND	0.0711		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,2-Dichloroethane (EDC)	ND	0.0218		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Benzene	ND	0.0190		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Trichloroethene (TCE)	ND	0.0237		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,2-Dichloropropane	ND	0.0190		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Bromodichloromethane	ND	0.0237		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Dibromomethane	ND	0.0190		mg/Kg-dry	1	5/5/2021 12:37:52 AM
cis-1,3-Dichloropropene	ND	0.0759		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Toluene	ND	0.0617		mg/Kg-dry	1	5/5/2021 12:37:52 AM
trans-1,3-Dichloropropylene	ND	0.0474		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0711		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,1,2-Trichloroethane	ND	0.0161		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,3-Dichloropropane	ND	0.0190		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Tetrachloroethene (PCE)	ND	0.0379		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Dibromochloromethane	ND	0.0190		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,2-Dibromoethane (EDB)	ND	0.0190		mg/Kg-dry	1	5/5/2021 12:37:52 AM
methyl n-butyl ketone	ND	0.0569		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Chlorobenzene	ND	0.0237		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,1,1,2-Tetrachloroethane	ND	0.0190		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Ethylbenzene	ND	0.0237		mg/Kg-dry	1	5/5/2021 12:37:52 AM
m,p-Xylene	ND	0.0474		mg/Kg-dry	1	5/5/2021 12:37:52 AM
o-Xylene	ND	0.0237		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Styrene	ND	0.0237		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Isopropylbenzene	ND	0.0285		mg/Kg-dry	1	5/5/2021 12:37:52 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 9:32:00 AM
Project: Swedish Block 95
Lab ID: 2104433-036
Matrix: Soil
Client Sample ID: B95-AB-03-22.5

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Bromoform	ND	0.0237		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,1,2,2-Tetrachloroethane	ND	0.0142	Q	mg/Kg-dry	1	5/5/2021 12:37:52 AM
n-Propylbenzene	ND	0.0285		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Bromobenzene	ND	0.0285		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,3,5-Trimethylbenzene	ND	0.0237		mg/Kg-dry	1	5/5/2021 12:37:52 AM
2-Chlorotoluene	ND	0.0285		mg/Kg-dry	1	5/5/2021 12:37:52 AM
4-Chlorotoluene	ND	0.0285		mg/Kg-dry	1	5/5/2021 12:37:52 AM
tert-Butylbenzene	ND	0.0285		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,2,3-Trichloropropane	ND	0.0237		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,2,4-Trichlorobenzene	ND	0.0379		mg/Kg-dry	1	5/5/2021 12:37:52 AM
sec-Butylbenzene	ND	0.0285		mg/Kg-dry	1	5/5/2021 12:37:52 AM
4-Isopropyltoluene	ND	0.0285		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,3-Dichlorobenzene	ND	0.0332		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,4-Dichlorobenzene	ND	0.0285		mg/Kg-dry	1	5/5/2021 12:37:52 AM
n-Butylbenzene	ND	0.0379		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,2-Dichlorobenzene	ND	0.0285		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,2-Dibromo-3-chloropropane	ND	0.0569		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,2,4-Trimethylbenzene	ND	0.0237		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Hexachloro-1,3-butadiene	ND	0.0474		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Naphthalene	ND	0.0949		mg/Kg-dry	1	5/5/2021 12:37:52 AM
1,2,3-Trichlorobenzene	ND	0.0474		mg/Kg-dry	1	5/5/2021 12:37:52 AM
Surr: Dibromofluoromethane	81.2	81.9 - 113	S	%Rec	1	5/5/2021 12:37:52 AM
Surr: Toluene-d8	108	82.7 - 115		%Rec	1	5/5/2021 12:37:52 AM
Surr: 1-Bromo-4-fluorobenzene	96.8	87.9 - 109		%Rec	1	5/5/2021 12:37:52 AM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria
S - Outlying surrogate recovery(ies) observed.

Mercury by EPA Method 7471

Batch ID: 32229 Analyst: LB

Mercury	ND	0.261		mg/Kg-dry	1	5/7/2021 3:22:49 PM

Total Metals by EPA Method 6020B

Batch ID: 32194 Analyst: EH

Arsenic	1.38	0.105		mg/Kg-dry	1	5/7/2021 3:47:45 PM
Barium	36.0	0.526		mg/Kg-dry	1	5/6/2021 5:56:52 PM
Cadmium	ND	0.175		mg/Kg-dry	1	5/6/2021 5:56:52 PM
Chromium	27.1	0.351		mg/Kg-dry	1	5/6/2021 5:56:52 PM
Lead	1.60	0.175		mg/Kg-dry	1	5/6/2021 5:56:52 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 9:32:00 AM
Project: Swedish Block 95
Lab ID: 2104433-036
Matrix: Soil
Client Sample ID: B95-AB-03-22.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Selenium	ND	0.175		mg/Kg-dry	1	5/7/2021 3:47:45 PM
Silver	ND	0.132		mg/Kg-dry	1	5/6/2021 5:56:52 PM
Sample Moisture (Percent Moisture)				Batch ID: R67019		Analyst: KJ
Percent Moisture	8.01	0.500		wt%	1	5/5/2021 10:08:28 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 8:50:00 AM
Project: Swedish Block 95
Lab ID: 2104433-037
Matrix: Soil
Client Sample ID: B95-AB-03-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32201		Analyst: MM
Diesel (Fuel Oil)	ND	48.7		mg/Kg-dry	1	5/5/2021 11:15:01 PM
Heavy Oil	ND	97.4		mg/Kg-dry	1	5/5/2021 11:15:01 PM
Total Petroleum Hydrocarbons	ND	146		mg/Kg-dry	1	5/5/2021 11:15:01 PM
Surr: 2-Fluorobiphenyl	74.8	50 - 150		%Rec	1	5/5/2021 11:15:01 PM
Surr: o-Terphenyl	80.0	50 - 150		%Rec	1	5/5/2021 11:15:01 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	21.9		µg/Kg-dry	1	5/4/2021 12:57:22 AM
2-Methylnaphthalene	ND	21.9		µg/Kg-dry	1	5/4/2021 12:57:22 AM
1-Methylnaphthalene	ND	21.9		µg/Kg-dry	1	5/4/2021 12:57:22 AM
Acenaphthylene	ND	21.9		µg/Kg-dry	1	5/4/2021 12:57:22 AM
Acenaphthene	ND	21.9		µg/Kg-dry	1	5/4/2021 12:57:22 AM
Fluorene	ND	21.9		µg/Kg-dry	1	5/4/2021 12:57:22 AM
Phenanthrene	ND	43.7		µg/Kg-dry	1	5/4/2021 12:57:22 AM
Anthracene	ND	43.7		µg/Kg-dry	1	5/4/2021 12:57:22 AM
Fluoranthene	ND	43.7		µg/Kg-dry	1	5/4/2021 12:57:22 AM
Pyrene	ND	43.7		µg/Kg-dry	1	5/4/2021 12:57:22 AM
Benz(a)anthracene	ND	21.9		µg/Kg-dry	1	5/4/2021 12:57:22 AM
Chrysene	ND	43.7		µg/Kg-dry	1	5/4/2021 12:57:22 AM
Benzo(b)fluoranthene	ND	21.9		µg/Kg-dry	1	5/4/2021 12:57:22 AM
Benzo(k)fluoranthene	ND	21.9		µg/Kg-dry	1	5/4/2021 12:57:22 AM
Benzo(a)pyrene	ND	21.9		µg/Kg-dry	1	5/4/2021 12:57:22 AM
Indeno(1,2,3-cd)pyrene	ND	43.7		µg/Kg-dry	1	5/4/2021 12:57:22 AM
Dibenz(a,h)anthracene	ND	43.7		µg/Kg-dry	1	5/4/2021 12:57:22 AM
Benzo(g,h,i)perylene	ND	21.9		µg/Kg-dry	1	5/4/2021 12:57:22 AM
Surr: 2-Fluorobiphenyl	68.0	19 - 135		%Rec	1	5/4/2021 12:57:22 AM
Surr: Terphenyl-d14 (surr)	80.9	42.9 - 156		%Rec	1	5/4/2021 12:57:22 AM
Gasoline by NWTPH-Gx				Batch ID: 32187		Analyst: CR
Gasoline	ND	3.23		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/5/2021 1:08:08 AM
Surr: 4-Bromofluorobenzene	98.1	65 - 135		%Rec	1	5/5/2021 1:08:08 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32187		Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0323		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Chloromethane	ND	0.0517		mg/Kg-dry	1	5/5/2021 1:08:08 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 8:50:00 AM
Project: Swedish Block 95
Lab ID: 2104433-037
Matrix: Soil
Client Sample ID: B95-AB-03-10

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0162		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Bromomethane	ND	0.0969		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Trichlorofluoromethane (CFC-11)	ND	0.0323		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Chloroethane	ND	0.0775		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,1-Dichloroethene	ND	0.0388		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Acetone	ND	0.582		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Methylene chloride	ND	0.0129		mg/Kg-dry	1	5/5/2021 1:08:08 AM
trans-1,2-Dichloroethene	ND	0.0194		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Methyl tert-butyl ether (MTBE)	ND	0.0194		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,1-Dichloroethane	ND	0.0162		mg/Kg-dry	1	5/5/2021 1:08:08 AM
cis-1,2-Dichloroethene	ND	0.0162		mg/Kg-dry	1	5/5/2021 1:08:08 AM
(MEK) 2-Butanone	ND	0.291		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Chloroform	ND	0.0162		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,1,1-Trichloroethane (TCA)	ND	0.0162		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,1-Dichloropropene	ND	0.0162		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Carbon tetrachloride	ND	0.0485		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,2-Dichloroethane (EDC)	ND	0.0149		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Benzene	ND	0.0129		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Trichloroethene (TCE)	ND	0.0162		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,2-Dichloropropane	ND	0.0129		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Bromodichloromethane	ND	0.0162		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Dibromomethane	ND	0.0129		mg/Kg-dry	1	5/5/2021 1:08:08 AM
cis-1,3-Dichloropropene	ND	0.0517		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Toluene	ND	0.0420		mg/Kg-dry	1	5/5/2021 1:08:08 AM
trans-1,3-Dichloropropylene	ND	0.0323		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0485		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,1,2-Trichloroethane	ND	0.0110		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,3-Dichloropropane	ND	0.0129		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Tetrachloroethene (PCE)	ND	0.0258		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Dibromochloromethane	ND	0.0129		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,2-Dibromoethane (EDB)	ND	0.0129		mg/Kg-dry	1	5/5/2021 1:08:08 AM
methyl n-butyl ketone	ND	0.0388		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Chlorobenzene	ND	0.0162		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,1,1,2-Tetrachloroethane	ND	0.0129		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Ethylbenzene	ND	0.0162		mg/Kg-dry	1	5/5/2021 1:08:08 AM
m,p-Xylene	ND	0.0323		mg/Kg-dry	1	5/5/2021 1:08:08 AM
o-Xylene	ND	0.0162		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Styrene	ND	0.0162		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Isopropylbenzene	ND	0.0194		mg/Kg-dry	1	5/5/2021 1:08:08 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 8:50:00 AM
Project: Swedish Block 95
Lab ID: 2104433-037
Matrix: Soil
Client Sample ID: B95-AB-03-10

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Bromoform	ND	0.0162		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,1,2,2-Tetrachloroethane	ND	0.00969	Q	mg/Kg-dry	1	5/5/2021 1:08:08 AM
n-Propylbenzene	ND	0.0194		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Bromobenzene	ND	0.0194		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,3,5-Trimethylbenzene	ND	0.0162		mg/Kg-dry	1	5/5/2021 1:08:08 AM
2-Chlorotoluene	ND	0.0194		mg/Kg-dry	1	5/5/2021 1:08:08 AM
4-Chlorotoluene	ND	0.0194		mg/Kg-dry	1	5/5/2021 1:08:08 AM
tert-Butylbenzene	ND	0.0194		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,2,3-Trichloropropane	ND	0.0162		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,2,4-Trichlorobenzene	ND	0.0258		mg/Kg-dry	1	5/5/2021 1:08:08 AM
sec-Butylbenzene	ND	0.0194		mg/Kg-dry	1	5/5/2021 1:08:08 AM
4-Isopropyltoluene	ND	0.0194		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,3-Dichlorobenzene	ND	0.0226		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,4-Dichlorobenzene	ND	0.0194		mg/Kg-dry	1	5/5/2021 1:08:08 AM
n-Butylbenzene	ND	0.0258		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,2-Dichlorobenzene	ND	0.0194		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,2-Dibromo-3-chloropropane	ND	0.0388		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,2,4-Trimethylbenzene	ND	0.0162		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Hexachloro-1,3-butadiene	ND	0.0323		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Naphthalene	ND	0.0646		mg/Kg-dry	1	5/5/2021 1:08:08 AM
1,2,3-Trichlorobenzene	ND	0.0323		mg/Kg-dry	1	5/5/2021 1:08:08 AM
Surr: Dibromofluoromethane	87.0	81.9 - 113		%Rec	1	5/5/2021 1:08:08 AM
Surr: Toluene-d8	104	82.7 - 115		%Rec	1	5/5/2021 1:08:08 AM
Surr: 1-Bromo-4-fluorobenzene	96.2	87.9 - 109		%Rec	1	5/5/2021 1:08:08 AM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Mercury by EPA Method 7471

Batch ID: 32229 Analyst: LB

Mercury	ND	0.265		mg/Kg-dry	1	5/7/2021 3:24:26 PM

Total Metals by EPA Method 6020B

Batch ID: 32194 Analyst: EH

Arsenic	2.31	0.105		mg/Kg-dry	1	5/7/2021 3:53:19 PM
Barium	46.4	0.523		mg/Kg-dry	1	5/6/2021 6:02:26 PM
Cadmium	ND	0.174		mg/Kg-dry	1	5/6/2021 6:02:26 PM
Chromium	30.7	0.349		mg/Kg-dry	1	5/6/2021 6:02:26 PM
Lead	1.89	0.174		mg/Kg-dry	1	5/6/2021 6:02:26 PM
Selenium	0.368	0.174		mg/Kg-dry	1	5/7/2021 3:53:19 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 8:50:00 AM
Project: Swedish Block 95
Lab ID: 2104433-037
Matrix: Soil
Client Sample ID: B95-AB-03-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Silver	ND	0.131		mg/Kg-dry	1	5/6/2021 6:02:26 PM
Sample Moisture (Percent Moisture)				Batch ID: R67039		Analyst: KJ
Percent Moisture	11.1	0.500		wt%	1	5/5/2021 4:17:47 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 11:39:00 AM
Project: Swedish Block 95
Lab ID: 2104433-038
Matrix: Soil
Client Sample ID: B95-AB-06-6.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32201		Analyst: MM
Diesel (Fuel Oil)	ND	47.9		mg/Kg-dry	1	5/5/2021 11:27:39 PM
Heavy Oil	719	95.7		mg/Kg-dry	1	5/5/2021 11:27:39 PM
Total Petroleum Hydrocarbons	719	144		mg/Kg-dry	1	5/5/2021 11:27:39 PM
Surr: 2-Fluorobiphenyl	83.1	50 - 150		%Rec	1	5/5/2021 11:27:39 PM
Surr: o-Terphenyl	88.5	50 - 150		%Rec	1	5/5/2021 11:27:39 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32203		Analyst: IH
Naphthalene	ND	20.1		µg/Kg-dry	1	5/5/2021 8:36:20 PM
2-Methylnaphthalene	ND	20.1		µg/Kg-dry	1	5/5/2021 8:36:20 PM
1-Methylnaphthalene	ND	20.1		µg/Kg-dry	1	5/5/2021 8:36:20 PM
Acenaphthylene	ND	20.1		µg/Kg-dry	1	5/5/2021 8:36:20 PM
Acenaphthene	ND	20.1		µg/Kg-dry	1	5/5/2021 8:36:20 PM
Fluorene	20.4	20.1		µg/Kg-dry	1	5/5/2021 8:36:20 PM
Phenanthrene	286	40.3		µg/Kg-dry	1	5/5/2021 8:36:20 PM
Anthracene	41.8	40.3		µg/Kg-dry	1	5/5/2021 8:36:20 PM
Fluoranthene	199	40.3		µg/Kg-dry	1	5/5/2021 8:36:20 PM
Pyrene	155	40.3		µg/Kg-dry	1	5/5/2021 8:36:20 PM
Benz(a)anthracene	92.3	20.1		µg/Kg-dry	1	5/5/2021 8:36:20 PM
Chrysene	107	40.3		µg/Kg-dry	1	5/5/2021 8:36:20 PM
Benzo(b)fluoranthene	53.7	20.1		µg/Kg-dry	1	5/5/2021 8:36:20 PM
Benzo(k)fluoranthene	71.9	20.1		µg/Kg-dry	1	5/5/2021 8:36:20 PM
Benzo(a)pyrene	73.5	20.1		µg/Kg-dry	1	5/5/2021 8:36:20 PM
Indeno(1,2,3-cd)pyrene	ND	40.3		µg/Kg-dry	1	5/5/2021 8:36:20 PM
Dibenz(a,h)anthracene	ND	40.3		µg/Kg-dry	1	5/5/2021 8:36:20 PM
Benzo(g,h,i)perylene	28.9	20.1		µg/Kg-dry	1	5/5/2021 8:36:20 PM
Surr: 2-Fluorobiphenyl	73.1	19 - 135		%Rec	1	5/5/2021 8:36:20 PM
Surr: Terphenyl-d14 (surr)	89.8	42.9 - 156		%Rec	1	5/5/2021 8:36:20 PM
Gasoline by NWTPH-Gx				Batch ID: 32187		Analyst: CR
Gasoline	ND	4.00		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Gasoline Range Organics (C6-C12)	16.0	4.00		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Surr: Toluene-d8	100	65 - 135		%Rec	1	5/5/2021 1:38:30 AM
Surr: 4-Bromofluorobenzene	104	65 - 135		%Rec	1	5/5/2021 1:38:30 AM

NOTES:
GRO - Indicates the presence of unresolved compounds eluting from hexane to dodecane (~C6-C12).

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 11:39:00 AM
Project: Swedish Block 95
Lab ID: 2104433-038
Matrix: Soil
Client Sample ID: B95-AB-06-6.5

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	0.0400		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Chloromethane	ND	0.0640		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Vinyl chloride	ND	0.0200		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Bromomethane	ND	0.120		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Trichlorofluoromethane (CFC-11)	ND	0.0400		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Chloroethane	ND	0.0959		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,1-Dichloroethene	ND	0.0480		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Acetone	ND	0.719		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Methylene chloride	ND	0.0160		mg/Kg-dry	1	5/5/2021 1:38:30 AM
trans-1,2-Dichloroethene	ND	0.0240		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Methyl tert-butyl ether (MTBE)	ND	0.0240		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,1-Dichloroethane	ND	0.0200		mg/Kg-dry	1	5/5/2021 1:38:30 AM
cis-1,2-Dichloroethene	ND	0.0200		mg/Kg-dry	1	5/5/2021 1:38:30 AM
(MEK) 2-Butanone	ND	0.360		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Chloroform	ND	0.0200		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,1,1-Trichloroethane (TCA)	ND	0.0200		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,1-Dichloropropene	ND	0.0200		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Carbon tetrachloride	ND	0.0600		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,2-Dichloroethane (EDC)	ND	0.0184		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Benzene	ND	0.0160		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,2-Dichloropropane	ND	0.0160		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Bromodichloromethane	ND	0.0200		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Dibromomethane	ND	0.0160		mg/Kg-dry	1	5/5/2021 1:38:30 AM
cis-1,3-Dichloropropene	ND	0.0640		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Toluene	ND	0.0520		mg/Kg-dry	1	5/5/2021 1:38:30 AM
trans-1,3-Dichloropropylene	ND	0.0400		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0600		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,1,2-Trichloroethane	ND	0.0136		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,3-Dichloropropane	ND	0.0160		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Tetrachloroethene (PCE)	ND	0.0320		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Dibromochloromethane	ND	0.0160		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,2-Dibromoethane (EDB)	ND	0.0160		mg/Kg-dry	1	5/5/2021 1:38:30 AM
methyl n-butyl ketone	ND	0.0480		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Chlorobenzene	ND	0.0200		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,1,1,2-Tetrachloroethane	ND	0.0160		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Ethylbenzene	ND	0.0200		mg/Kg-dry	1	5/5/2021 1:38:30 AM
m,p-Xylene	ND	0.0400		mg/Kg-dry	1	5/5/2021 1:38:30 AM
o-Xylene	ND	0.0200		mg/Kg-dry	1	5/5/2021 1:38:30 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 11:39:00 AM
Project: Swedish Block 95
Lab ID: 2104433-038
Matrix: Soil
Client Sample ID: B95-AB-06-6.5

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Styrene	ND	0.0200		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Isopropylbenzene	ND	0.0240		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Bromoform	ND	0.0200		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,1,2,2-Tetrachloroethane	ND	0.0120	Q	mg/Kg-dry	1	5/5/2021 1:38:30 AM
n-Propylbenzene	ND	0.0240		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Bromobenzene	ND	0.0240		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,3,5-Trimethylbenzene	ND	0.0200		mg/Kg-dry	1	5/5/2021 1:38:30 AM
2-Chlorotoluene	ND	0.0240		mg/Kg-dry	1	5/5/2021 1:38:30 AM
4-Chlorotoluene	ND	0.0240		mg/Kg-dry	1	5/5/2021 1:38:30 AM
tert-Butylbenzene	ND	0.0240		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,2,3-Trichloropropane	ND	0.0200		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,2,4-Trichlorobenzene	ND	0.0320		mg/Kg-dry	1	5/5/2021 1:38:30 AM
sec-Butylbenzene	ND	0.0240		mg/Kg-dry	1	5/5/2021 1:38:30 AM
4-Isopropyltoluene	ND	0.0240		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,3-Dichlorobenzene	ND	0.0280		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,4-Dichlorobenzene	ND	0.0240		mg/Kg-dry	1	5/5/2021 1:38:30 AM
n-Butylbenzene	ND	0.0320		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,2-Dichlorobenzene	ND	0.0240		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,2-Dibromo-3-chloropropane	ND	0.0480		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,2,4-Trimethylbenzene	ND	0.0200		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Hexachloro-1,3-butadiene	ND	0.0400		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Naphthalene	ND	0.0799		mg/Kg-dry	1	5/5/2021 1:38:30 AM
1,2,3-Trichlorobenzene	ND	0.0400		mg/Kg-dry	1	5/5/2021 1:38:30 AM
Surr: Dibromofluoromethane	82.7	81.9 - 113		%Rec	1	5/5/2021 1:38:30 AM
Surr: Toluene-d8	103	82.7 - 115		%Rec	1	5/5/2021 1:38:30 AM
Surr: 1-Bromo-4-fluorobenzene	102	87.9 - 109		%Rec	1	5/5/2021 1:38:30 AM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Mercury by EPA Method 7471

Batch ID: 32229 Analyst: LB

Mercury	ND	0.273		mg/Kg-dry	1	5/7/2021 3:26:03 PM

Total Metals by EPA Method 6020B

Batch ID: 32194 Analyst: EH

Arsenic	29.3	0.102		mg/Kg-dry	1	5/7/2021 3:58:53 PM
Barium	108	0.510		mg/Kg-dry	1	5/6/2021 6:07:59 PM
Cadmium	ND	0.170		mg/Kg-dry	1	5/6/2021 6:07:59 PM
Chromium	22.8	0.340		mg/Kg-dry	1	5/6/2021 6:07:59 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 11:39:00 AM
Project: Swedish Block 95
Lab ID: 2104433-038
Matrix: Soil
Client Sample ID: B95-AB-06-6.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32194		Analyst: EH
Lead	13.0	0.170		mg/Kg-dry	1	5/6/2021 6:07:59 PM
Selenium	ND	0.170		mg/Kg-dry	1	5/7/2021 3:58:53 PM
Silver	0.179	0.128		mg/Kg-dry	1	5/6/2021 6:07:59 PM
Sample Moisture (Percent Moisture)				Batch ID: R67039		Analyst: KJ
Percent Moisture	10.3	0.500		wt%	1	5/5/2021 4:17:47 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 12:00:00 PM
Project: Swedish Block 95
Lab ID: 2104433-039
Matrix: Soil
Client Sample ID: B95-AB-06-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32201		Analyst: MM
Diesel (Fuel Oil)	ND	47.4		mg/Kg-dry	1	5/6/2021 12:30:40 PM
Heavy Oil	ND	94.7		mg/Kg-dry	1	5/6/2021 12:30:40 PM
Total Petroleum Hydrocarbons	ND	142		mg/Kg-dry	1	5/6/2021 12:30:40 PM
Surr: 2-Fluorobiphenyl	85.7	50 - 150		%Rec	1	5/6/2021 12:30:40 PM
Surr: o-Terphenyl	93.2	50 - 150		%Rec	1	5/6/2021 12:30:40 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32172		Analyst: SB
Naphthalene	ND	20.2		µg/Kg-dry	1	5/4/2021 1:18:42 AM
2-Methylnaphthalene	ND	20.2		µg/Kg-dry	1	5/4/2021 1:18:42 AM
1-Methylnaphthalene	ND	20.2		µg/Kg-dry	1	5/4/2021 1:18:42 AM
Acenaphthylene	ND	20.2		µg/Kg-dry	1	5/4/2021 1:18:42 AM
Acenaphthene	ND	20.2		µg/Kg-dry	1	5/4/2021 1:18:42 AM
Fluorene	ND	20.2		µg/Kg-dry	1	5/4/2021 1:18:42 AM
Phenanthrene	ND	40.3		µg/Kg-dry	1	5/4/2021 1:18:42 AM
Anthracene	ND	40.3		µg/Kg-dry	1	5/4/2021 1:18:42 AM
Fluoranthene	ND	40.3		µg/Kg-dry	1	5/4/2021 1:18:42 AM
Pyrene	ND	40.3		µg/Kg-dry	1	5/4/2021 1:18:42 AM
Benz(a)anthracene	ND	20.2		µg/Kg-dry	1	5/4/2021 1:18:42 AM
Chrysene	ND	40.3		µg/Kg-dry	1	5/4/2021 1:18:42 AM
Benzo(b)fluoranthene	ND	20.2		µg/Kg-dry	1	5/4/2021 1:18:42 AM
Benzo(k)fluoranthene	ND	20.2		µg/Kg-dry	1	5/4/2021 1:18:42 AM
Benzo(a)pyrene	ND	20.2		µg/Kg-dry	1	5/4/2021 1:18:42 AM
Indeno(1,2,3-cd)pyrene	ND	40.3		µg/Kg-dry	1	5/4/2021 1:18:42 AM
Dibenz(a,h)anthracene	ND	40.3		µg/Kg-dry	1	5/4/2021 1:18:42 AM
Benzo(g,h,i)perylene	ND	20.2		µg/Kg-dry	1	5/4/2021 1:18:42 AM
Surr: 2-Fluorobiphenyl	77.9	19 - 135		%Rec	1	5/4/2021 1:18:42 AM
Surr: Terphenyl-d14 (surr)	89.5	42.9 - 156		%Rec	1	5/4/2021 1:18:42 AM
Gasoline by NWTPH-Gx				Batch ID: 32187		Analyst: CR
Gasoline	ND	3.19		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Gasoline Range Organics (C6-C12)	5.38	3.19		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Surr: Toluene-d8	98.7	65 - 135		%Rec	1	5/5/2021 2:08:53 AM
Surr: 4-Bromofluorobenzene	104	65 - 135		%Rec	1	5/5/2021 2:08:53 AM

NOTES:
GRO - Indicates the presence of unresolved compounds eluting from hexane to dodecane (~C6-C12).

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 12:00:00 PM
Project: Swedish Block 95
Lab ID: 2104433-039
Matrix: Soil
Client Sample ID: B95-AB-06-13

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	0.0319		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Chloromethane	ND	0.0511		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Vinyl chloride	ND	0.0160		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Bromomethane	ND	0.0958		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Trichlorofluoromethane (CFC-11)	ND	0.0319		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Chloroethane	ND	0.0767		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,1-Dichloroethene	ND	0.0383		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Acetone	ND	0.575		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Methylene chloride	ND	0.0128		mg/Kg-dry	1	5/5/2021 2:08:53 AM
trans-1,2-Dichloroethene	ND	0.0192		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Methyl tert-butyl ether (MTBE)	ND	0.0192		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,1-Dichloroethane	ND	0.0160		mg/Kg-dry	1	5/5/2021 2:08:53 AM
cis-1,2-Dichloroethene	ND	0.0160		mg/Kg-dry	1	5/5/2021 2:08:53 AM
(MEK) 2-Butanone	ND	0.287		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Chloroform	ND	0.0160		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,1,1-Trichloroethane (TCA)	ND	0.0160		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,1-Dichloropropene	ND	0.0160		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Carbon tetrachloride	ND	0.0479		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,2-Dichloroethane (EDC)	ND	0.0147		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Benzene	ND	0.0128		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Trichloroethene (TCE)	ND	0.0160		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,2-Dichloropropane	ND	0.0128		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Bromodichloromethane	ND	0.0160		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Dibromomethane	ND	0.0128		mg/Kg-dry	1	5/5/2021 2:08:53 AM
cis-1,3-Dichloropropene	ND	0.0511		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Toluene	ND	0.0415		mg/Kg-dry	1	5/5/2021 2:08:53 AM
trans-1,3-Dichloropropylene	ND	0.0319		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0479		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,1,2-Trichloroethane	ND	0.0109		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,3-Dichloropropane	ND	0.0128		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Tetrachloroethene (PCE)	ND	0.0256		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Dibromochloromethane	ND	0.0128		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,2-Dibromoethane (EDB)	ND	0.0128		mg/Kg-dry	1	5/5/2021 2:08:53 AM
methyl n-butyl ketone	ND	0.0383		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Chlorobenzene	ND	0.0160		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,1,1,2-Tetrachloroethane	ND	0.0128		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Ethylbenzene	ND	0.0160		mg/Kg-dry	1	5/5/2021 2:08:53 AM
m,p-Xylene	ND	0.0319		mg/Kg-dry	1	5/5/2021 2:08:53 AM
o-Xylene	ND	0.0160		mg/Kg-dry	1	5/5/2021 2:08:53 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 12:00:00 PM
Project: Swedish Block 95
Lab ID: 2104433-039
Matrix: Soil
Client Sample ID: B95-AB-06-13

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Styrene	ND	0.0160		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Isopropylbenzene	ND	0.0192		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Bromoform	ND	0.0160		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,1,2,2-Tetrachloroethane	ND	0.00958	Q	mg/Kg-dry	1	5/5/2021 2:08:53 AM
n-Propylbenzene	ND	0.0192		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Bromobenzene	ND	0.0192		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,3,5-Trimethylbenzene	ND	0.0160		mg/Kg-dry	1	5/5/2021 2:08:53 AM
2-Chlorotoluene	ND	0.0192		mg/Kg-dry	1	5/5/2021 2:08:53 AM
4-Chlorotoluene	ND	0.0192		mg/Kg-dry	1	5/5/2021 2:08:53 AM
tert-Butylbenzene	ND	0.0192		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,2,3-Trichloropropane	ND	0.0160		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,2,4-Trichlorobenzene	ND	0.0256		mg/Kg-dry	1	5/5/2021 2:08:53 AM
sec-Butylbenzene	ND	0.0192		mg/Kg-dry	1	5/5/2021 2:08:53 AM
4-Isopropyltoluene	0.393	0.0192		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,3-Dichlorobenzene	ND	0.0224		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,4-Dichlorobenzene	ND	0.0192		mg/Kg-dry	1	5/5/2021 2:08:53 AM
n-Butylbenzene	ND	0.0256		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,2-Dichlorobenzene	ND	0.0192		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,2-Dibromo-3-chloropropane	ND	0.0383		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,2,4-Trimethylbenzene	ND	0.0160		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Hexachloro-1,3-butadiene	ND	0.0319		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Naphthalene	ND	0.0639		mg/Kg-dry	1	5/5/2021 2:08:53 AM
1,2,3-Trichlorobenzene	ND	0.0319		mg/Kg-dry	1	5/5/2021 2:08:53 AM
Surr: Dibromofluoromethane	84.1	81.9 - 113		%Rec	1	5/5/2021 2:08:53 AM
Surr: Toluene-d8	105	82.7 - 115		%Rec	1	5/5/2021 2:08:53 AM
Surr: 1-Bromo-4-fluorobenzene	102	87.9 - 109		%Rec	1	5/5/2021 2:08:53 AM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Mercury by EPA Method 7471

Batch ID: 32229 Analyst: LB

Mercury	ND	0.253		mg/Kg-dry	1	5/7/2021 3:36:26 PM

Total Metals by EPA Method 6020B

Batch ID: 32209 Analyst: EH

Arsenic	8.29	0.103		mg/Kg-dry	1	5/7/2021 1:45:10 PM
Barium	65.7	0.516		mg/Kg-dry	1	5/7/2021 1:45:10 PM
Cadmium	ND	0.172		mg/Kg-dry	1	5/7/2021 1:45:10 PM
Chromium	27.2	0.344		mg/Kg-dry	1	5/7/2021 1:45:10 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 12:00:00 PM
Project: Swedish Block 95
Lab ID: 2104433-039
Matrix: Soil
Client Sample ID: B95-AB-06-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32209		Analyst: EH
Lead	55.7	0.172		mg/Kg-dry	1	5/7/2021 1:45:10 PM
Selenium	3.04	0.172	B	mg/Kg-dry	1	5/7/2021 1:45:10 PM
Silver	ND	0.129		mg/Kg-dry	1	5/7/2021 1:45:10 PM

NOTES:
B - Indicates a detection in the ICB or CCB.

Sample Moisture (Percent Moisture)				Batch ID: R67039		Analyst: KJ
Percent Moisture	8.36	0.500		wt%	1	5/5/2021 4:17:47 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 12:15:00 PM
Project: Swedish Block 95
Lab ID: 2104433-042
Matrix: Soil
Client Sample ID: B95-AB-06-20

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32216		Analyst: MM
Diesel (Fuel Oil)	ND	49.5		mg/Kg-dry	1	5/6/2021 10:08:18 PM
Heavy Oil	1,880	99.0		mg/Kg-dry	1	5/6/2021 10:08:18 PM
Total Petroleum Hydrocarbons	1,890	149		mg/Kg-dry	1	5/6/2021 10:08:18 PM
Surr: 2-Fluorobiphenyl	99.0	50 - 150		%Rec	1	5/6/2021 10:08:18 PM
Surr: o-Terphenyl	108	50 - 150		%Rec	1	5/6/2021 10:08:18 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32203		Analyst: IH
Naphthalene	46.0	21.2		µg/Kg-dry	1	5/5/2021 9:41:06 PM
2-Methylnaphthalene	39.5	21.2		µg/Kg-dry	1	5/5/2021 9:41:06 PM
1-Methylnaphthalene	33.6	21.2		µg/Kg-dry	1	5/5/2021 9:41:06 PM
Acenaphthylene	ND	21.2		µg/Kg-dry	1	5/5/2021 9:41:06 PM
Acenaphthene	ND	21.2		µg/Kg-dry	1	5/5/2021 9:41:06 PM
Fluorene	23.1	21.2		µg/Kg-dry	1	5/5/2021 9:41:06 PM
Phenanthrene	310	42.4		µg/Kg-dry	1	5/5/2021 9:41:06 PM
Anthracene	ND	42.4		µg/Kg-dry	1	5/5/2021 9:41:06 PM
Fluoranthene	169	42.4		µg/Kg-dry	1	5/5/2021 9:41:06 PM
Pyrene	137	42.4		µg/Kg-dry	1	5/5/2021 9:41:06 PM
Benz(a)anthracene	91.2	21.2		µg/Kg-dry	1	5/5/2021 9:41:06 PM
Chrysene	126	42.4		µg/Kg-dry	1	5/5/2021 9:41:06 PM
Benzo(b)fluoranthene	47.0	21.2		µg/Kg-dry	1	5/5/2021 9:41:06 PM
Benzo(k)fluoranthene	77.3	21.2		µg/Kg-dry	1	5/5/2021 9:41:06 PM
Benzo(a)pyrene	80.5	21.2		µg/Kg-dry	1	5/5/2021 9:41:06 PM
Indeno(1,2,3-cd)pyrene	ND	42.4		µg/Kg-dry	1	5/5/2021 9:41:06 PM
Dibenz(a,h)anthracene	ND	42.4		µg/Kg-dry	1	5/5/2021 9:41:06 PM
Benzo(g,h,i)perylene	21.3	21.2		µg/Kg-dry	1	5/5/2021 9:41:06 PM
Surr: 2-Fluorobiphenyl	80.3	19 - 135		%Rec	1	5/5/2021 9:41:06 PM
Surr: Terphenyl-d14 (surr)	95.7	42.9 - 156		%Rec	1	5/5/2021 9:41:06 PM
Gasoline by NWTPH-Gx				Batch ID: 32187		Analyst: CR
Gasoline	ND	4.37		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Gasoline Range Organics (C6-C12)	8.30	4.37		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Surr: Toluene-d8	98.3	65 - 135		%Rec	1	5/5/2021 2:39:09 AM
Surr: 4-Bromofluorobenzene	103	65 - 135		%Rec	1	5/5/2021 2:39:09 AM

NOTES:
GRO - Indicates the presence of unresolved compounds eluting from hexane to dodecane (~C6-C12).

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 12:15:00 PM
Project: Swedish Block 95
Lab ID: 2104433-042
Matrix: Soil
Client Sample ID: B95-AB-06-20

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	0.0437		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Chloromethane	ND	0.0699		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Vinyl chloride	ND	0.0218		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Bromomethane	ND	0.131		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Trichlorofluoromethane (CFC-11)	ND	0.0437		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Chloroethane	ND	0.105		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,1-Dichloroethene	ND	0.0524		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Acetone	ND	0.786		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Methylene chloride	ND	0.0175		mg/Kg-dry	1	5/5/2021 2:39:09 AM
trans-1,2-Dichloroethene	ND	0.0262		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Methyl tert-butyl ether (MTBE)	ND	0.0262		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,1-Dichloroethane	ND	0.0218		mg/Kg-dry	1	5/5/2021 2:39:09 AM
cis-1,2-Dichloroethene	ND	0.0218		mg/Kg-dry	1	5/5/2021 2:39:09 AM
(MEK) 2-Butanone	ND	0.393		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Chloroform	ND	0.0218		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,1,1-Trichloroethane (TCA)	ND	0.0218		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,1-Dichloropropene	ND	0.0218		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Carbon tetrachloride	ND	0.0655		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,2-Dichloroethane (EDC)	ND	0.0201		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Benzene	ND	0.0175		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Trichloroethene (TCE)	ND	0.0218		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,2-Dichloropropane	ND	0.0175		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Bromodichloromethane	ND	0.0218		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Dibromomethane	ND	0.0175		mg/Kg-dry	1	5/5/2021 2:39:09 AM
cis-1,3-Dichloropropene	ND	0.0699		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Toluene	ND	0.0568		mg/Kg-dry	1	5/5/2021 2:39:09 AM
trans-1,3-Dichloropropylene	ND	0.0437		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0655		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,1,2-Trichloroethane	ND	0.0148		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,3-Dichloropropane	ND	0.0175		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Tetrachloroethene (PCE)	ND	0.0349		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Dibromochloromethane	ND	0.0175		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,2-Dibromoethane (EDB)	ND	0.0175		mg/Kg-dry	1	5/5/2021 2:39:09 AM
methyl n-butyl ketone	ND	0.0524		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Chlorobenzene	ND	0.0218		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,1,1,2-Tetrachloroethane	ND	0.0175		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Ethylbenzene	ND	0.0218		mg/Kg-dry	1	5/5/2021 2:39:09 AM
m,p-Xylene	ND	0.0437		mg/Kg-dry	1	5/5/2021 2:39:09 AM
o-Xylene	ND	0.0218		mg/Kg-dry	1	5/5/2021 2:39:09 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 12:15:00 PM
Project: Swedish Block 95
Lab ID: 2104433-042
Matrix: Soil
Client Sample ID: B95-AB-06-20

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Styrene	ND	0.0218		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Isopropylbenzene	ND	0.0262		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Bromoform	ND	0.0218		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,1,2,2-Tetrachloroethane	ND	0.0131	Q	mg/Kg-dry	1	5/5/2021 2:39:09 AM
n-Propylbenzene	ND	0.0262		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Bromobenzene	ND	0.0262		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,3,5-Trimethylbenzene	ND	0.0218		mg/Kg-dry	1	5/5/2021 2:39:09 AM
2-Chlorotoluene	ND	0.0262		mg/Kg-dry	1	5/5/2021 2:39:09 AM
4-Chlorotoluene	ND	0.0262		mg/Kg-dry	1	5/5/2021 2:39:09 AM
tert-Butylbenzene	ND	0.0262		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,2,3-Trichloropropane	ND	0.0218		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,2,4-Trichlorobenzene	ND	0.0349		mg/Kg-dry	1	5/5/2021 2:39:09 AM
sec-Butylbenzene	ND	0.0262		mg/Kg-dry	1	5/5/2021 2:39:09 AM
4-Isopropyltoluene	ND	0.0262		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,3-Dichlorobenzene	ND	0.0306		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,4-Dichlorobenzene	ND	0.0262		mg/Kg-dry	1	5/5/2021 2:39:09 AM
n-Butylbenzene	ND	0.0349		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,2-Dichlorobenzene	ND	0.0262		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,2-Dibromo-3-chloropropane	ND	0.0524		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,2,4-Trimethylbenzene	ND	0.0218		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Hexachloro-1,3-butadiene	ND	0.0437		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Naphthalene	ND	0.0873		mg/Kg-dry	1	5/5/2021 2:39:09 AM
1,2,3-Trichlorobenzene	ND	0.0437		mg/Kg-dry	1	5/5/2021 2:39:09 AM
Surr: Dibromofluoromethane	82.9	81.9 - 113		%Rec	1	5/5/2021 2:39:09 AM
Surr: Toluene-d8	104	82.7 - 115		%Rec	1	5/5/2021 2:39:09 AM
Surr: 1-Bromo-4-fluorobenzene	101	87.9 - 109		%Rec	1	5/5/2021 2:39:09 AM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Mercury by EPA Method 7471

Batch ID: 32229 Analyst: LB

Mercury	0.761	0.535	D	mg/Kg-dry	2	5/7/2021 3:50:04 PM

Total Metals by EPA Method 6020B

Batch ID: 32209 Analyst: EH

Arsenic	42.5	0.104		mg/Kg-dry	1	5/7/2021 2:01:54 PM
Barium	126	0.519		mg/Kg-dry	1	5/7/2021 2:01:54 PM
Cadmium	ND	0.173		mg/Kg-dry	1	5/7/2021 2:01:54 PM
Chromium	24.1	0.346		mg/Kg-dry	1	5/7/2021 2:01:54 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 12:15:00 PM
Project: Swedish Block 95
Lab ID: 2104433-042
Matrix: Soil
Client Sample ID: B95-AB-06-20

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32209		Analyst: EH
Lead	21.1	0.173		mg/Kg-dry	1	5/7/2021 2:01:54 PM
Selenium	2.10	0.173	B	mg/Kg-dry	1	5/7/2021 2:01:54 PM
Silver	1.07	0.130		mg/Kg-dry	1	5/7/2021 2:01:54 PM
Sample Moisture (Percent Moisture)				Batch ID: R67039		Analyst: KJ
Percent Moisture	11.8	0.500		wt%	1	5/5/2021 4:17:47 PM

NOTES:
B - Indicates a detection in the ICB or CCB.

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 12:30:00 PM
Project: Swedish Block 95
Lab ID: 2104433-043
Matrix: Soil
Client Sample ID: B95-AB-06-23

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32314		Analyst: MM
Diesel (Fuel Oil)	ND	52.0	H	mg/Kg-dry	1	5/14/2021 1:59:31 PM
Heavy Oil	1,020	104	H	mg/Kg-dry	1	5/14/2021 1:59:31 PM
Total Petroleum Hydrocarbons	1,040	156	H	mg/Kg-dry	1	5/14/2021 1:59:31 PM
Surr: 2-Fluorobiphenyl	92.5	50 - 150	H	%Rec	1	5/14/2021 1:59:31 PM
Surr: o-Terphenyl	98.9	50 - 150	H	%Rec	1	5/14/2021 1:59:31 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32316		Analyst: IH
Benz(a)anthracene	64.2	21.0	H	µg/Kg-dry	1	5/14/2021 8:12:04 PM
Chrysene	102	42.1	H	µg/Kg-dry	1	5/14/2021 8:12:04 PM
Benzo(b)fluoranthene	36.5	21.0	H	µg/Kg-dry	1	5/14/2021 8:12:04 PM
Benzo(k)fluoranthene	61.6	21.0	H	µg/Kg-dry	1	5/14/2021 8:12:04 PM
Benzo(a)pyrene	67.1	21.0	H	µg/Kg-dry	1	5/14/2021 8:12:04 PM
Indeno(1,2,3-cd)pyrene	ND	42.1	H	µg/Kg-dry	1	5/14/2021 8:12:04 PM
Dibenz(a,h)anthracene	ND	42.1	H	µg/Kg-dry	1	5/14/2021 8:12:04 PM
Surr: 2-Fluorobiphenyl	74.8	19 - 135	H	%Rec	1	5/14/2021 8:12:04 PM
Surr: Terphenyl-d14 (surr)	90.6	42.9 - 156	H	%Rec	1	5/14/2021 8:12:04 PM
Gasoline by NWTPH-Gx				Batch ID: 32332		Analyst: CR
Gasoline	ND	4.02	H	mg/Kg-dry	1	5/17/2021 8:32:06 PM
Stoddard Solvent/Mineral Spirits	10.3	4.02	H	mg/Kg-dry	1	5/17/2021 8:32:06 PM
Surr: Toluene-d8	99.9	65 - 135	H	%Rec	1	5/17/2021 8:32:06 PM
Surr: 4-Bromofluorobenzene	102	65 - 135	H	%Rec	1	5/17/2021 8:32:06 PM
Mercury by EPA Method 7471				Batch ID: 32361		Analyst: LB
Mercury	ND	0.246		mg/Kg-dry	1	5/20/2021 4:26:42 PM
Total Metals by EPA Method 6020B				Batch ID: 32347		Analyst: EH
Arsenic	32.5	0.109		mg/Kg-dry	1	5/21/2021 6:26:50 PM
Barium	120	0.543		mg/Kg-dry	1	5/20/2021 6:51:08 PM
Cadmium	ND	0.181		mg/Kg-dry	1	5/20/2021 6:51:08 PM
Chromium	27.1	0.362		mg/Kg-dry	1	5/20/2021 6:51:08 PM
Lead	20.9	0.181		mg/Kg-dry	1	5/20/2021 6:51:08 PM
Selenium	0.792	0.181		mg/Kg-dry	1	5/21/2021 6:26:50 PM
Silver	0.370	0.136		mg/Kg-dry	1	5/20/2021 6:51:08 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 12:30:00 PM
Project: Swedish Block 95
Lab ID: 2104433-043
Matrix: Soil
Client Sample ID: B95-AB-06-23

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R67347		Analyst: KJ
Percent Moisture	10.8	0.500		wt%	1	5/19/2021 2:42:40 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 1:24:00 PM
Project: Swedish Block 95
Lab ID: 2104433-044
Matrix: Soil
Client Sample ID: B95-AB-07-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32216		Analyst: MM
Diesel (Fuel Oil)	ND	53.5		mg/Kg-dry	1	5/6/2021 10:20:52 PM
Heavy Oil	1,100	107		mg/Kg-dry	1	5/6/2021 10:20:52 PM
Total Petroleum Hydrocarbons	1,120	161		mg/Kg-dry	1	5/6/2021 10:20:52 PM
Surr: 2-Fluorobiphenyl	93.1	50 - 150		%Rec	1	5/6/2021 10:20:52 PM
Surr: o-Terphenyl	96.8	50 - 150		%Rec	1	5/6/2021 10:20:52 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32203		Analyst: IH
Naphthalene	ND	20.7		µg/Kg-dry	1	5/5/2021 10:02:37 PM
2-Methylnaphthalene	ND	20.7		µg/Kg-dry	1	5/5/2021 10:02:37 PM
1-Methylnaphthalene	ND	20.7		µg/Kg-dry	1	5/5/2021 10:02:37 PM
Acenaphthylene	ND	20.7		µg/Kg-dry	1	5/5/2021 10:02:37 PM
Acenaphthene	38.0	20.7		µg/Kg-dry	1	5/5/2021 10:02:37 PM
Fluorene	37.3	20.7		µg/Kg-dry	1	5/5/2021 10:02:37 PM
Phenanthrene	481	41.3		µg/Kg-dry	1	5/5/2021 10:02:37 PM
Anthracene	78.6	41.3		µg/Kg-dry	1	5/5/2021 10:02:37 PM
Fluoranthene	257	41.3		µg/Kg-dry	1	5/5/2021 10:02:37 PM
Pyrene	180	41.3		µg/Kg-dry	1	5/5/2021 10:02:37 PM
Benz(a)anthracene	63.6	20.7		µg/Kg-dry	1	5/5/2021 10:02:37 PM
Chrysene	109	41.3		µg/Kg-dry	1	5/5/2021 10:02:37 PM
Benzo(b)fluoranthene	35.5	20.7		µg/Kg-dry	1	5/5/2021 10:02:37 PM
Benzo(k)fluoranthene	48.4	20.7		µg/Kg-dry	1	5/5/2021 10:02:37 PM
Benzo(a)pyrene	60.0	20.7		µg/Kg-dry	1	5/5/2021 10:02:37 PM
Indeno(1,2,3-cd)pyrene	ND	41.3		µg/Kg-dry	1	5/5/2021 10:02:37 PM
Dibenz(a,h)anthracene	ND	41.3		µg/Kg-dry	1	5/5/2021 10:02:37 PM
Benzo(g,h,i)perylene	23.0	20.7		µg/Kg-dry	1	5/5/2021 10:02:37 PM
Surr: 2-Fluorobiphenyl	77.2	19 - 135		%Rec	1	5/5/2021 10:02:37 PM
Surr: Terphenyl-d14 (surr)	93.3	42.9 - 156		%Rec	1	5/5/2021 10:02:37 PM
Gasoline by NWTPH-Gx				Batch ID: 32187		Analyst: CR
Gasoline	ND	3.99		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Gasoline Range Organics (C6-C12)	12.0	3.99		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Surr: Toluene-d8	98.9	65 - 135		%Rec	1	5/5/2021 3:09:29 AM
Surr: 4-Bromofluorobenzene	103	65 - 135		%Rec	1	5/5/2021 3:09:29 AM

NOTES:
GRO - Indicates the presence of unresolved compounds eluting from hexane to dodecane (~C6-C12).

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 1:24:00 PM
Project: Swedish Block 95
Lab ID: 2104433-044
Matrix: Soil
Client Sample ID: B95-AB-07-4

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	0.0399		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Chloromethane	ND	0.0639		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Vinyl chloride	ND	0.0200		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Bromomethane	ND	0.120		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Trichlorofluoromethane (CFC-11)	ND	0.0399		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Chloroethane	ND	0.0958		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,1-Dichloroethene	ND	0.0479		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Acetone	ND	0.718		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Methylene chloride	ND	0.0160		mg/Kg-dry	1	5/5/2021 3:09:29 AM
trans-1,2-Dichloroethene	ND	0.0239		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Methyl tert-butyl ether (MTBE)	ND	0.0239		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,1-Dichloroethane	ND	0.0200		mg/Kg-dry	1	5/5/2021 3:09:29 AM
cis-1,2-Dichloroethene	ND	0.0200		mg/Kg-dry	1	5/5/2021 3:09:29 AM
(MEK) 2-Butanone	ND	0.359		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Chloroform	ND	0.0200		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,1,1-Trichloroethane (TCA)	ND	0.0200		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,1-Dichloropropene	ND	0.0200		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Carbon tetrachloride	ND	0.0599		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,2-Dichloroethane (EDC)	ND	0.0184		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Benzene	ND	0.0160		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,2-Dichloropropane	ND	0.0160		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Bromodichloromethane	ND	0.0200		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Dibromomethane	ND	0.0160		mg/Kg-dry	1	5/5/2021 3:09:29 AM
cis-1,3-Dichloropropene	ND	0.0639		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Toluene	ND	0.0519		mg/Kg-dry	1	5/5/2021 3:09:29 AM
trans-1,3-Dichloropropylene	ND	0.0399		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0599		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,1,2-Trichloroethane	ND	0.0136		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,3-Dichloropropane	ND	0.0160		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Tetrachloroethene (PCE)	ND	0.0319		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Dibromochloromethane	ND	0.0160		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,2-Dibromoethane (EDB)	ND	0.0160		mg/Kg-dry	1	5/5/2021 3:09:29 AM
methyl n-butyl ketone	ND	0.0479		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Chlorobenzene	ND	0.0200		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,1,1,2-Tetrachloroethane	ND	0.0160		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Ethylbenzene	ND	0.0200		mg/Kg-dry	1	5/5/2021 3:09:29 AM
m,p-Xylene	ND	0.0399		mg/Kg-dry	1	5/5/2021 3:09:29 AM
o-Xylene	ND	0.0200		mg/Kg-dry	1	5/5/2021 3:09:29 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 1:24:00 PM
Project: Swedish Block 95
Lab ID: 2104433-044
Matrix: Soil
Client Sample ID: B95-AB-07-4

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Styrene	ND	0.0200		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Isopropylbenzene	ND	0.0239		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Bromoform	ND	0.0200		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,1,2,2-Tetrachloroethane	ND	0.0120	Q	mg/Kg-dry	1	5/5/2021 3:09:29 AM
n-Propylbenzene	ND	0.0239		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Bromobenzene	ND	0.0239		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,3,5-Trimethylbenzene	ND	0.0200		mg/Kg-dry	1	5/5/2021 3:09:29 AM
2-Chlorotoluene	ND	0.0239		mg/Kg-dry	1	5/5/2021 3:09:29 AM
4-Chlorotoluene	ND	0.0239		mg/Kg-dry	1	5/5/2021 3:09:29 AM
tert-Butylbenzene	ND	0.0239		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,2,3-Trichloropropane	ND	0.0200		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,2,4-Trichlorobenzene	ND	0.0319		mg/Kg-dry	1	5/5/2021 3:09:29 AM
sec-Butylbenzene	ND	0.0239		mg/Kg-dry	1	5/5/2021 3:09:29 AM
4-Isopropyltoluene	ND	0.0239		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,3-Dichlorobenzene	ND	0.0279		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,4-Dichlorobenzene	ND	0.0239		mg/Kg-dry	1	5/5/2021 3:09:29 AM
n-Butylbenzene	ND	0.0319		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,2-Dichlorobenzene	ND	0.0239		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,2-Dibromo-3-chloropropane	ND	0.0479		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,2,4-Trimethylbenzene	ND	0.0200		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Hexachloro-1,3-butadiene	ND	0.0399		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Naphthalene	ND	0.0798		mg/Kg-dry	1	5/5/2021 3:09:29 AM
1,2,3-Trichlorobenzene	ND	0.0399		mg/Kg-dry	1	5/5/2021 3:09:29 AM
Surr: Dibromofluoromethane	88.1	81.9 - 113		%Rec	1	5/5/2021 3:09:29 AM
Surr: Toluene-d8	103	82.7 - 115		%Rec	1	5/5/2021 3:09:29 AM
Surr: 1-Bromo-4-fluorobenzene	101	87.9 - 109		%Rec	1	5/5/2021 3:09:29 AM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Mercury by EPA Method 7471

Batch ID: 32229 Analyst: LB

Mercury	ND	0.265		mg/Kg-dry	1	5/7/2021 3:39:40 PM

Total Metals by EPA Method 6020B

Batch ID: 32209 Analyst: EH

Arsenic	16.5	0.104		mg/Kg-dry	1	5/7/2021 2:07:28 PM
Barium	72.9	0.519		mg/Kg-dry	1	5/7/2021 2:07:28 PM
Cadmium	ND	0.173		mg/Kg-dry	1	5/7/2021 2:07:28 PM
Chromium	23.6	0.346		mg/Kg-dry	1	5/7/2021 2:07:28 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 1:24:00 PM
Project: Swedish Block 95
Lab ID: 2104433-044
Matrix: Soil
Client Sample ID: B95-AB-07-4

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32209		Analyst: EH
Lead	14.2	0.173		mg/Kg-dry	1	5/7/2021 2:07:28 PM
Selenium	1.04	0.173	B	mg/Kg-dry	1	5/7/2021 2:07:28 PM
Silver	ND	0.130		mg/Kg-dry	1	5/7/2021 2:07:28 PM

NOTES:
B - Indicates a detection in the ICB or CCB.

Sample Moisture (Percent Moisture)				Batch ID: R67039		Analyst: KJ
Percent Moisture	11.2	0.500		wt%	1	5/5/2021 4:17:47 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 1:42:00 PM
Project: Swedish Block 95
Lab ID: 2104433-047
Matrix: Soil
Client Sample ID: B95-AB-07-16.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32216		Analyst: MM
Diesel (Fuel Oil)	ND	53.1		mg/Kg-dry	1	5/7/2021 9:03:26 AM
Heavy Oil	ND	106		mg/Kg-dry	1	5/7/2021 9:03:26 AM
Total Petroleum Hydrocarbons	ND	159		mg/Kg-dry	1	5/7/2021 9:03:26 AM
Surr: 2-Fluorobiphenyl	103	50 - 150		%Rec	1	5/7/2021 9:03:26 AM
Surr: o-Terphenyl	104	50 - 150		%Rec	1	5/7/2021 9:03:26 AM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32203		Analyst: IH
Naphthalene	ND	18.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
2-Methylnaphthalene	ND	18.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
1-Methylnaphthalene	ND	18.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
Acenaphthylene	ND	18.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
Acenaphthene	ND	18.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
Fluorene	ND	18.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
Phenanthrene	ND	37.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
Anthracene	ND	37.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
Fluoranthene	ND	37.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
Pyrene	ND	37.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
Benz(a)anthracene	ND	18.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
Chrysene	ND	37.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
Benzo(b)fluoranthene	ND	18.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
Benzo(k)fluoranthene	ND	18.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
Benzo(a)pyrene	ND	18.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
Indeno(1,2,3-cd)pyrene	ND	37.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
Dibenz(a,h)anthracene	ND	37.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
Benzo(g,h,i)perylene	ND	18.9		µg/Kg-dry	1	5/5/2021 10:24:08 PM
Surr: 2-Fluorobiphenyl	83.0	19 - 135		%Rec	1	5/5/2021 10:24:08 PM
Surr: Terphenyl-d14 (surr)	103	42.9 - 156		%Rec	1	5/5/2021 10:24:08 PM
Gasoline by NWTPH-Gx				Batch ID: 32187		Analyst: CR
Gasoline	ND	3.40		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Surr: Toluene-d8	99.1	65 - 135		%Rec	1	5/5/2021 3:39:49 AM
Surr: 4-Bromofluorobenzene	102	65 - 135		%Rec	1	5/5/2021 3:39:49 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32187		Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0340		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Chloromethane	ND	0.0544		mg/Kg-dry	1	5/5/2021 3:39:49 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 1:42:00 PM
Project: Swedish Block 95
Lab ID: 2104433-047
Matrix: Soil
Client Sample ID: B95-AB-07-16.5

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0170		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Bromomethane	ND	0.102		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Trichlorofluoromethane (CFC-11)	ND	0.0340		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Chloroethane	ND	0.0817		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,1-Dichloroethene	ND	0.0408		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Acetone	ND	0.612		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Methylene chloride	ND	0.0136		mg/Kg-dry	1	5/5/2021 3:39:49 AM
trans-1,2-Dichloroethene	ND	0.0204		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Methyl tert-butyl ether (MTBE)	ND	0.0204		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,1-Dichloroethane	ND	0.0170		mg/Kg-dry	1	5/5/2021 3:39:49 AM
cis-1,2-Dichloroethene	ND	0.0170		mg/Kg-dry	1	5/5/2021 3:39:49 AM
(MEK) 2-Butanone	ND	0.306		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Chloroform	ND	0.0170		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,1,1-Trichloroethane (TCA)	ND	0.0170		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,1-Dichloropropene	ND	0.0170		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Carbon tetrachloride	ND	0.0510		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,2-Dichloroethane (EDC)	ND	0.0157		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Benzene	ND	0.0136		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Trichloroethene (TCE)	ND	0.0170		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,2-Dichloropropane	ND	0.0136		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Bromodichloromethane	ND	0.0170		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Dibromomethane	ND	0.0136		mg/Kg-dry	1	5/5/2021 3:39:49 AM
cis-1,3-Dichloropropene	ND	0.0544		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Toluene	ND	0.0442		mg/Kg-dry	1	5/5/2021 3:39:49 AM
trans-1,3-Dichloropropylene	ND	0.0340		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0510		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,1,2-Trichloroethane	ND	0.0116		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,3-Dichloropropane	ND	0.0136		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Tetrachloroethene (PCE)	ND	0.0272		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Dibromochloromethane	ND	0.0136		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,2-Dibromoethane (EDB)	ND	0.0136		mg/Kg-dry	1	5/5/2021 3:39:49 AM
methyl n-butyl ketone	ND	0.0408		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Chlorobenzene	ND	0.0170		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,1,1,2-Tetrachloroethane	ND	0.0136		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Ethylbenzene	ND	0.0170		mg/Kg-dry	1	5/5/2021 3:39:49 AM
m,p-Xylene	ND	0.0340		mg/Kg-dry	1	5/5/2021 3:39:49 AM
o-Xylene	ND	0.0170		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Styrene	ND	0.0170		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Isopropylbenzene	ND	0.0204		mg/Kg-dry	1	5/5/2021 3:39:49 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 1:42:00 PM
Project: Swedish Block 95
Lab ID: 2104433-047
Matrix: Soil
Client Sample ID: B95-AB-07-16.5

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Bromoform	ND	0.0170		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,1,2,2-Tetrachloroethane	ND	0.0102	Q	mg/Kg-dry	1	5/5/2021 3:39:49 AM
n-Propylbenzene	ND	0.0204		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Bromobenzene	ND	0.0204		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,3,5-Trimethylbenzene	ND	0.0170		mg/Kg-dry	1	5/5/2021 3:39:49 AM
2-Chlorotoluene	ND	0.0204		mg/Kg-dry	1	5/5/2021 3:39:49 AM
4-Chlorotoluene	ND	0.0204		mg/Kg-dry	1	5/5/2021 3:39:49 AM
tert-Butylbenzene	ND	0.0204		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,2,3-Trichloropropane	ND	0.0170		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,2,4-Trichlorobenzene	ND	0.0272		mg/Kg-dry	1	5/5/2021 3:39:49 AM
sec-Butylbenzene	ND	0.0204		mg/Kg-dry	1	5/5/2021 3:39:49 AM
4-Isopropyltoluene	ND	0.0204		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,3-Dichlorobenzene	ND	0.0238		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,4-Dichlorobenzene	ND	0.0204		mg/Kg-dry	1	5/5/2021 3:39:49 AM
n-Butylbenzene	ND	0.0272		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,2-Dichlorobenzene	ND	0.0204		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,2-Dibromo-3-chloropropane	ND	0.0408		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,2,4-Trimethylbenzene	ND	0.0170		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Hexachloro-1,3-butadiene	ND	0.0340		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Naphthalene	ND	0.0681		mg/Kg-dry	1	5/5/2021 3:39:49 AM
1,2,3-Trichlorobenzene	ND	0.0340		mg/Kg-dry	1	5/5/2021 3:39:49 AM
Surr: Dibromofluoromethane	91.9	81.9 - 113		%Rec	1	5/5/2021 3:39:49 AM
Surr: Toluene-d8	103	82.7 - 115		%Rec	1	5/5/2021 3:39:49 AM
Surr: 1-Bromo-4-fluorobenzene	100	87.9 - 109		%Rec	1	5/5/2021 3:39:49 AM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Mercury by EPA Method 7471

Batch ID: 32229 Analyst: LB

Mercury	ND	0.238		mg/Kg-dry	1	5/7/2021 3:41:17 PM

Total Metals by EPA Method 6020B

Batch ID: 32209 Analyst: EH

Arsenic	2.24	0.105		mg/Kg-dry	1	5/7/2021 2:13:02 PM
Barium	56.6	0.524		mg/Kg-dry	1	5/7/2021 2:13:02 PM
Cadmium	ND	0.175		mg/Kg-dry	1	5/7/2021 2:13:02 PM
Chromium	33.7	0.349		mg/Kg-dry	1	5/7/2021 2:13:02 PM
Lead	2.06	0.175		mg/Kg-dry	1	5/7/2021 2:13:02 PM
Selenium	0.800	0.175	B	mg/Kg-dry	1	5/7/2021 2:13:02 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 1:42:00 PM
Project: Swedish Block 95
Lab ID: 2104433-047
Matrix: Soil
Client Sample ID: B95-AB-07-16.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32209		Analyst: EH
Silver	ND	0.131		mg/Kg-dry	1	5/7/2021 2:13:02 PM
NOTES: B - Indicates a detection in the ICB or CCB.						
Sample Moisture (Percent Moisture)				Batch ID: R67039		Analyst: KJ
Percent Moisture	7.70	0.500		wt%	1	5/5/2021 4:17:47 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 2:05:00 PM
Project: Swedish Block 95
Lab ID: 2104433-049
Matrix: Soil
Client Sample ID: B95-AB-07-23

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32216		Analyst: MM
Diesel (Fuel Oil)	ND	49.8		mg/Kg-dry	1	5/7/2021 12:39:32 AM
Heavy Oil	ND	99.5		mg/Kg-dry	1	5/7/2021 12:39:32 AM
Total Petroleum Hydrocarbons	ND	149		mg/Kg-dry	1	5/7/2021 12:39:32 AM
Surr: 2-Fluorobiphenyl	94.0	50 - 150		%Rec	1	5/7/2021 12:39:32 AM
Surr: o-Terphenyl	95.2	50 - 150		%Rec	1	5/7/2021 12:39:32 AM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32203		Analyst: IH
Naphthalene	ND	18.3		µg/Kg-dry	1	5/5/2021 10:45:42 PM
2-Methylnaphthalene	ND	18.3		µg/Kg-dry	1	5/5/2021 10:45:42 PM
1-Methylnaphthalene	ND	18.3		µg/Kg-dry	1	5/5/2021 10:45:42 PM
Acenaphthylene	ND	18.3		µg/Kg-dry	1	5/5/2021 10:45:42 PM
Acenaphthene	ND	18.3		µg/Kg-dry	1	5/5/2021 10:45:42 PM
Fluorene	ND	18.3		µg/Kg-dry	1	5/5/2021 10:45:42 PM
Phenanthrene	ND	36.5		µg/Kg-dry	1	5/5/2021 10:45:42 PM
Anthracene	ND	36.5		µg/Kg-dry	1	5/5/2021 10:45:42 PM
Fluoranthene	ND	36.5		µg/Kg-dry	1	5/5/2021 10:45:42 PM
Pyrene	ND	36.5		µg/Kg-dry	1	5/5/2021 10:45:42 PM
Benz(a)anthracene	ND	18.3		µg/Kg-dry	1	5/5/2021 10:45:42 PM
Chrysene	ND	36.5		µg/Kg-dry	1	5/5/2021 10:45:42 PM
Benzo(b)fluoranthene	ND	18.3		µg/Kg-dry	1	5/5/2021 10:45:42 PM
Benzo(k)fluoranthene	ND	18.3		µg/Kg-dry	1	5/5/2021 10:45:42 PM
Benzo(a)pyrene	ND	18.3		µg/Kg-dry	1	5/5/2021 10:45:42 PM
Indeno(1,2,3-cd)pyrene	ND	36.5		µg/Kg-dry	1	5/5/2021 10:45:42 PM
Dibenz(a,h)anthracene	ND	36.5		µg/Kg-dry	1	5/5/2021 10:45:42 PM
Benzo(g,h,i)perylene	ND	18.3		µg/Kg-dry	1	5/5/2021 10:45:42 PM
Surr: 2-Fluorobiphenyl	88.5	19 - 135		%Rec	1	5/5/2021 10:45:42 PM
Surr: Terphenyl-d14 (surr)	109	42.9 - 156		%Rec	1	5/5/2021 10:45:42 PM
Gasoline by NWTPH-Gx				Batch ID: 32187		Analyst: CR
Gasoline	ND	3.29		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Surr: Toluene-d8	98.9	65 - 135		%Rec	1	5/5/2021 4:10:01 AM
Surr: 4-Bromofluorobenzene	98.0	65 - 135		%Rec	1	5/5/2021 4:10:01 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32187		Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0329		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Chloromethane	ND	0.0527		mg/Kg-dry	1	5/5/2021 4:10:01 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 2:05:00 PM
Project: Swedish Block 95
Lab ID: 2104433-049
Matrix: Soil
Client Sample ID: B95-AB-07-23

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Bromomethane	ND	0.0987		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Trichlorofluoromethane (CFC-11)	ND	0.0329		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Chloroethane	ND	0.0790		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,1-Dichloroethene	ND	0.0395		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Acetone	ND	0.592		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Methylene chloride	ND	0.0132		mg/Kg-dry	1	5/5/2021 4:10:01 AM
trans-1,2-Dichloroethene	ND	0.0197		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Methyl tert-butyl ether (MTBE)	ND	0.0197		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,1-Dichloroethane	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:10:01 AM
cis-1,2-Dichloroethene	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:10:01 AM
(MEK) 2-Butanone	ND	0.296		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Chloroform	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,1,1-Trichloroethane (TCA)	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,1-Dichloropropene	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Carbon tetrachloride	ND	0.0494		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,2-Dichloroethane (EDC)	ND	0.0151		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Benzene	ND	0.0132		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Trichloroethene (TCE)	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,2-Dichloropropane	ND	0.0132		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Bromodichloromethane	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Dibromomethane	ND	0.0132		mg/Kg-dry	1	5/5/2021 4:10:01 AM
cis-1,3-Dichloropropene	ND	0.0527		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Toluene	ND	0.0428		mg/Kg-dry	1	5/5/2021 4:10:01 AM
trans-1,3-Dichloropropylene	ND	0.0329		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0494		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,1,2-Trichloroethane	ND	0.0112		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,3-Dichloropropane	ND	0.0132		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Tetrachloroethene (PCE)	ND	0.0263		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Dibromochloromethane	ND	0.0132		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,2-Dibromoethane (EDB)	ND	0.0132		mg/Kg-dry	1	5/5/2021 4:10:01 AM
methyl n-butyl ketone	ND	0.0395		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Chlorobenzene	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,1,1,2-Tetrachloroethane	ND	0.0132		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Ethylbenzene	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:10:01 AM
m,p-Xylene	ND	0.0329		mg/Kg-dry	1	5/5/2021 4:10:01 AM
o-Xylene	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Styrene	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Isopropylbenzene	ND	0.0197		mg/Kg-dry	1	5/5/2021 4:10:01 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 2:05:00 PM
Project: Swedish Block 95
Lab ID: 2104433-049
Matrix: Soil
Client Sample ID: B95-AB-07-23

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Bromoform	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,1,2,2-Tetrachloroethane	ND	0.00987	Q	mg/Kg-dry	1	5/5/2021 4:10:01 AM
n-Propylbenzene	ND	0.0197		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Bromobenzene	ND	0.0197		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,3,5-Trimethylbenzene	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:10:01 AM
2-Chlorotoluene	ND	0.0197		mg/Kg-dry	1	5/5/2021 4:10:01 AM
4-Chlorotoluene	ND	0.0197		mg/Kg-dry	1	5/5/2021 4:10:01 AM
tert-Butylbenzene	ND	0.0197		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,2,3-Trichloropropane	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,2,4-Trichlorobenzene	ND	0.0263		mg/Kg-dry	1	5/5/2021 4:10:01 AM
sec-Butylbenzene	ND	0.0197		mg/Kg-dry	1	5/5/2021 4:10:01 AM
4-Isopropyltoluene	ND	0.0197		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,3-Dichlorobenzene	ND	0.0230		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,4-Dichlorobenzene	ND	0.0197		mg/Kg-dry	1	5/5/2021 4:10:01 AM
n-Butylbenzene	ND	0.0263		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,2-Dichlorobenzene	ND	0.0197		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,2-Dibromo-3-chloropropane	ND	0.0395		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,2,4-Trimethylbenzene	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Hexachloro-1,3-butadiene	ND	0.0329		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Naphthalene	ND	0.0658		mg/Kg-dry	1	5/5/2021 4:10:01 AM
1,2,3-Trichlorobenzene	ND	0.0329		mg/Kg-dry	1	5/5/2021 4:10:01 AM
Surr: Dibromofluoromethane	83.6	81.9 - 113		%Rec	1	5/5/2021 4:10:01 AM
Surr: Toluene-d8	104	82.7 - 115		%Rec	1	5/5/2021 4:10:01 AM
Surr: 1-Bromo-4-fluorobenzene	96.2	87.9 - 109		%Rec	1	5/5/2021 4:10:01 AM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Mercury by EPA Method 7471

Batch ID: 32229 Analyst: LB

Mercury	ND	0.248		mg/Kg-dry	1	5/7/2021 3:42:55 PM

Total Metals by EPA Method 6020B

Batch ID: 32209 Analyst: EH

Arsenic	2.97	0.0989		mg/Kg-dry	1	5/7/2021 2:18:36 PM
Barium	48.3	0.495		mg/Kg-dry	1	5/7/2021 2:18:36 PM
Cadmium	ND	0.165		mg/Kg-dry	1	5/7/2021 2:18:36 PM
Chromium	36.3	0.330		mg/Kg-dry	1	5/7/2021 2:18:36 PM
Lead	2.16	0.165		mg/Kg-dry	1	5/7/2021 2:18:36 PM
Selenium	0.760	0.165	B	mg/Kg-dry	1	5/7/2021 2:18:36 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 2:05:00 PM
Project: Swedish Block 95
Lab ID: 2104433-049
Matrix: Soil
Client Sample ID: B95-AB-07-23

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32209		Analyst: EH
Silver	ND	0.124		mg/Kg-dry	1	5/7/2021 2:18:36 PM
NOTES: B - Indicates a detection in the ICB or CCB.						
Sample Moisture (Percent Moisture)				Batch ID: R67039		Analyst: KJ
Percent Moisture	6.69	0.500		wt%	1	5/5/2021 4:17:47 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 3:05:00 PM
Project: Swedish Block 95
Lab ID: 2104433-050
Matrix: Soil
Client Sample ID: B95-AB-09-4.5-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32216		Analyst: MM
Diesel (Fuel Oil)	ND	46.0		mg/Kg-dry	1	5/6/2021 10:58:46 PM
Heavy Oil	ND	92.0		mg/Kg-dry	1	5/6/2021 10:58:46 PM
Total Petroleum Hydrocarbons	ND	138		mg/Kg-dry	1	5/6/2021 10:58:46 PM
Surr: 2-Fluorobiphenyl	91.5	50 - 150		%Rec	1	5/6/2021 10:58:46 PM
Surr: o-Terphenyl	89.9	50 - 150		%Rec	1	5/6/2021 10:58:46 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32203		Analyst: IH
Naphthalene	ND	18.9		µg/Kg-dry	1	5/5/2021 11:07:08 PM
2-Methylnaphthalene	ND	18.9		µg/Kg-dry	1	5/5/2021 11:07:08 PM
1-Methylnaphthalene	ND	18.9		µg/Kg-dry	1	5/5/2021 11:07:08 PM
Acenaphthylene	ND	18.9		µg/Kg-dry	1	5/5/2021 11:07:08 PM
Acenaphthene	ND	18.9		µg/Kg-dry	1	5/5/2021 11:07:08 PM
Fluorene	ND	18.9		µg/Kg-dry	1	5/5/2021 11:07:08 PM
Phenanthrene	64.1	37.7		µg/Kg-dry	1	5/5/2021 11:07:08 PM
Anthracene	ND	37.7		µg/Kg-dry	1	5/5/2021 11:07:08 PM
Fluoranthene	105	37.7		µg/Kg-dry	1	5/5/2021 11:07:08 PM
Pyrene	99.3	37.7		µg/Kg-dry	1	5/5/2021 11:07:08 PM
Benz(a)anthracene	55.0	18.9		µg/Kg-dry	1	5/5/2021 11:07:08 PM
Chrysene	59.4	37.7		µg/Kg-dry	1	5/5/2021 11:07:08 PM
Benzo(b)fluoranthene	53.3	18.9		µg/Kg-dry	1	5/5/2021 11:07:08 PM
Benzo(k)fluoranthene	47.9	18.9		µg/Kg-dry	1	5/5/2021 11:07:08 PM
Benzo(a)pyrene	64.4	18.9		µg/Kg-dry	1	5/5/2021 11:07:08 PM
Indeno(1,2,3-cd)pyrene	ND	37.7		µg/Kg-dry	1	5/5/2021 11:07:08 PM
Dibenz(a,h)anthracene	ND	37.7		µg/Kg-dry	1	5/5/2021 11:07:08 PM
Benzo(g,h,i)perylene	30.7	18.9		µg/Kg-dry	1	5/5/2021 11:07:08 PM
Surr: 2-Fluorobiphenyl	82.7	19 - 135		%Rec	1	5/5/2021 11:07:08 PM
Surr: Terphenyl-d14 (surr)	102	42.9 - 156		%Rec	1	5/5/2021 11:07:08 PM
Gasoline by NWTPH-Gx				Batch ID: 32187		Analyst: CR
Gasoline	ND	3.29		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/5/2021 4:40:22 AM
Surr: 4-Bromofluorobenzene	99.9	65 - 135		%Rec	1	5/5/2021 4:40:22 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32187		Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0329		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Chloromethane	ND	0.0527		mg/Kg-dry	1	5/5/2021 4:40:22 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 3:05:00 PM
Project: Swedish Block 95
Lab ID: 2104433-050
Matrix: Soil
Client Sample ID: B95-AB-09-4.5-1

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Bromomethane	ND	0.0988		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Trichlorofluoromethane (CFC-11)	ND	0.0329		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Chloroethane	ND	0.0791		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,1-Dichloroethene	ND	0.0395		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Acetone	ND	0.593		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Methylene chloride	ND	0.0132		mg/Kg-dry	1	5/5/2021 4:40:22 AM
trans-1,2-Dichloroethene	ND	0.0198		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Methyl tert-butyl ether (MTBE)	ND	0.0198		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,1-Dichloroethane	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:40:22 AM
cis-1,2-Dichloroethene	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:40:22 AM
(MEK) 2-Butanone	ND	0.296		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Chloroform	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,1,1-Trichloroethane (TCA)	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,1-Dichloropropene	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Carbon tetrachloride	ND	0.0494		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,2-Dichloroethane (EDC)	ND	0.0152		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Benzene	ND	0.0132		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Trichloroethene (TCE)	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,2-Dichloropropane	ND	0.0132		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Bromodichloromethane	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Dibromomethane	ND	0.0132		mg/Kg-dry	1	5/5/2021 4:40:22 AM
cis-1,3-Dichloropropene	ND	0.0527		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Toluene	ND	0.0428		mg/Kg-dry	1	5/5/2021 4:40:22 AM
trans-1,3-Dichloropropylene	ND	0.0329		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0494		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,1,2-Trichloroethane	ND	0.0112		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,3-Dichloropropane	ND	0.0132		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Tetrachloroethene (PCE)	ND	0.0264		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Dibromochloromethane	ND	0.0132		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,2-Dibromoethane (EDB)	ND	0.0132		mg/Kg-dry	1	5/5/2021 4:40:22 AM
methyl n-butyl ketone	ND	0.0395		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Chlorobenzene	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,1,1,2-Tetrachloroethane	ND	0.0132		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Ethylbenzene	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:40:22 AM
m,p-Xylene	ND	0.0329		mg/Kg-dry	1	5/5/2021 4:40:22 AM
o-Xylene	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Styrene	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Isopropylbenzene	ND	0.0198		mg/Kg-dry	1	5/5/2021 4:40:22 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 3:05:00 PM
Project: Swedish Block 95
Lab ID: 2104433-050
Matrix: Soil
Client Sample ID: B95-AB-09-4.5-1

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Bromoform	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,1,2,2-Tetrachloroethane	ND	0.00988	Q	mg/Kg-dry	1	5/5/2021 4:40:22 AM
n-Propylbenzene	ND	0.0198		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Bromobenzene	ND	0.0198		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,3,5-Trimethylbenzene	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:40:22 AM
2-Chlorotoluene	ND	0.0198		mg/Kg-dry	1	5/5/2021 4:40:22 AM
4-Chlorotoluene	ND	0.0198		mg/Kg-dry	1	5/5/2021 4:40:22 AM
tert-Butylbenzene	ND	0.0198		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,2,3-Trichloropropane	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,2,4-Trichlorobenzene	ND	0.0264		mg/Kg-dry	1	5/5/2021 4:40:22 AM
sec-Butylbenzene	ND	0.0198		mg/Kg-dry	1	5/5/2021 4:40:22 AM
4-Isopropyltoluene	ND	0.0198		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,3-Dichlorobenzene	ND	0.0231		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,4-Dichlorobenzene	ND	0.0198		mg/Kg-dry	1	5/5/2021 4:40:22 AM
n-Butylbenzene	ND	0.0264		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,2-Dichlorobenzene	ND	0.0198		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,2-Dibromo-3-chloropropane	ND	0.0395		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,2,4-Trimethylbenzene	ND	0.0165		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Hexachloro-1,3-butadiene	ND	0.0329		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Naphthalene	ND	0.0659		mg/Kg-dry	1	5/5/2021 4:40:22 AM
1,2,3-Trichlorobenzene	ND	0.0329		mg/Kg-dry	1	5/5/2021 4:40:22 AM
Surr: Dibromofluoromethane	85.3	81.9 - 113		%Rec	1	5/5/2021 4:40:22 AM
Surr: Toluene-d8	102	82.7 - 115		%Rec	1	5/5/2021 4:40:22 AM
Surr: 1-Bromo-4-fluorobenzene	98.1	87.9 - 109		%Rec	1	5/5/2021 4:40:22 AM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Mercury by EPA Method 7471

Batch ID: 32229 Analyst: LB

Mercury	ND	0.266		mg/Kg-dry	1	5/7/2021 3:44:32 PM

Total Metals by EPA Method 6020B

Batch ID: 32209 Analyst: EH

Arsenic	10.1	0.0987		mg/Kg-dry	1	5/7/2021 2:24:10 PM
Barium	96.0	0.493		mg/Kg-dry	1	5/7/2021 2:24:10 PM
Cadmium	0.190	0.164		mg/Kg-dry	1	5/7/2021 2:24:10 PM
Chromium	33.4	0.329		mg/Kg-dry	1	5/7/2021 2:24:10 PM
Lead	63.0	0.164		mg/Kg-dry	1	5/7/2021 2:24:10 PM
Selenium	0.529	0.164	B	mg/Kg-dry	1	5/7/2021 2:24:10 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 3:05:00 PM
Project: Swedish Block 95
Lab ID: 2104433-050
Matrix: Soil
Client Sample ID: B95-AB-09-4.5-1

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32209		Analyst: EH
Silver	ND	0.123		mg/Kg-dry	1	5/7/2021 2:24:10 PM

NOTES:
B - Indicates a detection in the ICB or CCB.

Sample Moisture (Percent Moisture)				Batch ID: R67039		Analyst: KJ
Percent Moisture	7.89	0.500		wt%	1	5/5/2021 4:17:47 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 3:15:00 PM
Project: Swedish Block 95
Lab ID: 2104433-051
Matrix: Soil
Client Sample ID: B95-AB-09-4.5-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32216		Analyst: MM
Diesel (Fuel Oil)	ND	51.4		mg/Kg-dry	1	5/6/2021 11:11:28 PM
Heavy Oil	1,150	103		mg/Kg-dry	1	5/6/2021 11:11:28 PM
Total Petroleum Hydrocarbons	1,150	154		mg/Kg-dry	1	5/6/2021 11:11:28 PM
Surr: 2-Fluorobiphenyl	97.0	50 - 150		%Rec	1	5/6/2021 11:11:28 PM
Surr: o-Terphenyl	100	50 - 150		%Rec	1	5/6/2021 11:11:28 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 32203		Analyst: IH
Naphthalene	39.2	19.8		µg/Kg-dry	1	5/5/2021 11:28:38 PM
2-Methylnaphthalene	24.3	19.8		µg/Kg-dry	1	5/5/2021 11:28:38 PM
1-Methylnaphthalene	20.2	19.8		µg/Kg-dry	1	5/5/2021 11:28:38 PM
Acenaphthylene	ND	19.8		µg/Kg-dry	1	5/5/2021 11:28:38 PM
Acenaphthene	54.0	19.8		µg/Kg-dry	1	5/5/2021 11:28:38 PM
Fluorene	32.5	19.8		µg/Kg-dry	1	5/5/2021 11:28:38 PM
Phenanthrene	322	39.7		µg/Kg-dry	1	5/5/2021 11:28:38 PM
Anthracene	45.4	39.7		µg/Kg-dry	1	5/5/2021 11:28:38 PM
Fluoranthene	258	39.7		µg/Kg-dry	1	5/5/2021 11:28:38 PM
Pyrene	200	39.7		µg/Kg-dry	1	5/5/2021 11:28:38 PM
Benz(a)anthracene	99.5	19.8		µg/Kg-dry	1	5/5/2021 11:28:38 PM
Chrysene	150	39.7		µg/Kg-dry	1	5/5/2021 11:28:38 PM
Benzo(b)fluoranthene	66.8	19.8		µg/Kg-dry	1	5/5/2021 11:28:38 PM
Benzo(k)fluoranthene	76.9	19.8		µg/Kg-dry	1	5/5/2021 11:28:38 PM
Benzo(a)pyrene	95.9	19.8		µg/Kg-dry	1	5/5/2021 11:28:38 PM
Indeno(1,2,3-cd)pyrene	ND	39.7		µg/Kg-dry	1	5/5/2021 11:28:38 PM
Dibenz(a,h)anthracene	ND	39.7		µg/Kg-dry	1	5/5/2021 11:28:38 PM
Benzo(g,h,i)perylene	32.0	19.8		µg/Kg-dry	1	5/5/2021 11:28:38 PM
Surr: 2-Fluorobiphenyl	78.6	19 - 135		%Rec	1	5/5/2021 11:28:38 PM
Surr: Terphenyl-d14 (surr)	95.1	42.9 - 156		%Rec	1	5/5/2021 11:28:38 PM
Gasoline by NWTPH-Gx				Batch ID: 32187		Analyst: CR
Gasoline	5.51	5.02		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Surr: Toluene-d8	99.6	65 - 135		%Rec	1	5/5/2021 5:10:39 AM
Surr: 4-Bromofluorobenzene	101	65 - 135		%Rec	1	5/5/2021 5:10:39 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32187		Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0502		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Chloromethane	ND	0.0802		mg/Kg-dry	1	5/5/2021 5:10:39 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 3:15:00 PM
Project: Swedish Block 95
Lab ID: 2104433-051
Matrix: Soil
Client Sample ID: B95-AB-09-4.5-2

Volatile Organic Compounds by EPA Method 8260D Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0251		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Bromomethane	ND	0.150		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Trichlorofluoromethane (CFC-11)	ND	0.0502		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Chloroethane	ND	0.120		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,1-Dichloroethene	ND	0.0602		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Acetone	ND	0.903		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Methylene chloride	ND	0.0201		mg/Kg-dry	1	5/5/2021 5:10:39 AM
trans-1,2-Dichloroethene	ND	0.0301		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Methyl tert-butyl ether (MTBE)	ND	0.0301		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,1-Dichloroethane	ND	0.0251		mg/Kg-dry	1	5/5/2021 5:10:39 AM
cis-1,2-Dichloroethene	ND	0.0251		mg/Kg-dry	1	5/5/2021 5:10:39 AM
(MEK) 2-Butanone	ND	0.451		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Chloroform	ND	0.0251		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,1,1-Trichloroethane (TCA)	ND	0.0251		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,1-Dichloropropene	ND	0.0251		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Carbon tetrachloride	ND	0.0752		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,2-Dichloroethane (EDC)	ND	0.0231		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Benzene	ND	0.0201		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Trichloroethene (TCE)	ND	0.0251		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,2-Dichloropropane	ND	0.0201		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Bromodichloromethane	ND	0.0251		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Dibromomethane	ND	0.0201		mg/Kg-dry	1	5/5/2021 5:10:39 AM
cis-1,3-Dichloropropene	ND	0.0802		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Toluene	ND	0.0652		mg/Kg-dry	1	5/5/2021 5:10:39 AM
trans-1,3-Dichloropropylene	ND	0.0502		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0752		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,1,2-Trichloroethane	ND	0.0171		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,3-Dichloropropane	ND	0.0201		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Tetrachloroethene (PCE)	ND	0.0401		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Dibromochloromethane	ND	0.0201		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,2-Dibromoethane (EDB)	ND	0.0201		mg/Kg-dry	1	5/5/2021 5:10:39 AM
methyl n-butyl ketone	ND	0.0602		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Chlorobenzene	ND	0.0251		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,1,1,2-Tetrachloroethane	ND	0.0201		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Ethylbenzene	ND	0.0251		mg/Kg-dry	1	5/5/2021 5:10:39 AM
m,p-Xylene	ND	0.0502		mg/Kg-dry	1	5/5/2021 5:10:39 AM
o-Xylene	ND	0.0251		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Styrene	ND	0.0251		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Isopropylbenzene	ND	0.0301		mg/Kg-dry	1	5/5/2021 5:10:39 AM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 3:15:00 PM
Project: Swedish Block 95
Lab ID: 2104433-051
Matrix: Soil
Client Sample ID: B95-AB-09-4.5-2

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 32187 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Bromoform	ND	0.0251		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,1,2,2-Tetrachloroethane	ND	0.0150	Q	mg/Kg-dry	1	5/5/2021 5:10:39 AM
n-Propylbenzene	ND	0.0301		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Bromobenzene	ND	0.0301		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,3,5-Trimethylbenzene	ND	0.0251		mg/Kg-dry	1	5/5/2021 5:10:39 AM
2-Chlorotoluene	ND	0.0301		mg/Kg-dry	1	5/5/2021 5:10:39 AM
4-Chlorotoluene	ND	0.0301		mg/Kg-dry	1	5/5/2021 5:10:39 AM
tert-Butylbenzene	ND	0.0301		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,2,3-Trichloropropane	ND	0.0251		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,2,4-Trichlorobenzene	ND	0.0401		mg/Kg-dry	1	5/5/2021 5:10:39 AM
sec-Butylbenzene	ND	0.0301		mg/Kg-dry	1	5/5/2021 5:10:39 AM
4-Isopropyltoluene	ND	0.0301		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,3-Dichlorobenzene	ND	0.0351		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,4-Dichlorobenzene	ND	0.0301		mg/Kg-dry	1	5/5/2021 5:10:39 AM
n-Butylbenzene	ND	0.0401		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,2-Dichlorobenzene	ND	0.0301		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,2-Dibromo-3-chloropropane	ND	0.0602		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,2,4-Trimethylbenzene	ND	0.0251		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Hexachloro-1,3-butadiene	ND	0.0502		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Naphthalene	ND	0.100		mg/Kg-dry	1	5/5/2021 5:10:39 AM
1,2,3-Trichlorobenzene	ND	0.0502		mg/Kg-dry	1	5/5/2021 5:10:39 AM
Surr: Dibromofluoromethane	81.1	81.9 - 113	S	%Rec	1	5/5/2021 5:10:39 AM
Surr: Toluene-d8	104	82.7 - 115		%Rec	1	5/5/2021 5:10:39 AM
Surr: 1-Bromo-4-fluorobenzene	99.2	87.9 - 109		%Rec	1	5/5/2021 5:10:39 AM

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria
S - Outlying surrogate recovery(ies) observed.

Mercury by EPA Method 7471

Batch ID: 32229 Analyst: LB

Mercury	ND	0.273		mg/Kg-dry	1	5/7/2021 3:46:09 PM

Total Metals by EPA Method 6020B

Batch ID: 32209 Analyst: EH

Arsenic	21.4	0.103		mg/Kg-dry	1	5/7/2021 2:29:45 PM
Barium	104	0.515		mg/Kg-dry	1	5/7/2021 2:29:45 PM
Cadmium	ND	0.172		mg/Kg-dry	1	5/7/2021 2:29:45 PM
Chromium	29.1	0.343		mg/Kg-dry	1	5/7/2021 2:29:45 PM
Lead	9.78	0.172		mg/Kg-dry	1	5/7/2021 2:29:45 PM

Analytical Report

Work Order: **2104433**
Date Reported: **5/25/2021**

Client: Aspect Consulting
Collection Date: 4/29/2021 3:15:00 PM
Project: Swedish Block 95
Lab ID: 2104433-051
Matrix: Soil
Client Sample ID: B95-AB-09-4.5-2

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 32209		Analyst: EH
Selenium	0.463	0.172	B	mg/Kg-dry	1	5/7/2021 2:29:45 PM
Silver	ND	0.129		mg/Kg-dry	1	5/7/2021 2:29:45 PM

NOTES:
B - Indicates a detection in the ICB or CCB.

Sample Moisture (Percent Moisture)				Batch ID: R67039		Analyst: KJ
Percent Moisture	10.3	0.500		wt%	1	5/5/2021 4:17:47 PM

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-32194** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/5/2021** RunNo: **67078**
Client ID: **MBLKS** Batch ID: **32194** Analysis Date: **5/6/2021** SeqNo: **1351357**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0945									
Barium	ND	0.472									
Cadmium	ND	0.157									
Chromium	ND	0.315									
Lead	ND	0.157									
Selenium	ND	0.157									
Silver	ND	0.118									

Sample ID: **LCS-32194** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/5/2021** RunNo: **67078**
Client ID: **LCSS** Batch ID: **32194** Analysis Date: **5/6/2021** SeqNo: **1351358**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	39.2	0.0952	39.68	0	98.9	80	120				
Barium	39.8	0.476	39.68	0	100	80	120				
Cadmium	1.89	0.159	1.984	0	95.3	80	120				
Chromium	41.4	0.317	39.68	0	104	80	120				
Lead	19.8	0.159	19.84	0	99.7	80	120				
Selenium	3.65	0.159	3.968	0	92.1	80	120				
Silver	1.97	0.119	1.984	0	99.1	80	120				

Sample ID: **2104433-002AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/5/2021** RunNo: **67078**
Client ID: **B95-AB-08-6.5** Batch ID: **32194** Analysis Date: **5/6/2021** SeqNo: **1351363**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	49.8	0.104	43.28	3.621	107	75	125				
Barium	118	0.519	43.28	66.65	120	75	125				
Cadmium	2.21	0.173	2.164	0.05423	99.4	75	125				
Chromium	88.4	0.346	43.28	35.53	122	75	125				
Lead	24.5	0.173	21.64	2.740	101	75	125				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **2104433-002AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/5/2021** RunNo: **67078**
Client ID: **B95-AB-08-6.5** Batch ID: **32194** Analysis Date: **5/6/2021** SeqNo: **1351363**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	5.64	0.173	4.328	1.159	103	75	125				
Silver	1.91	0.130	2.164	0	88.1	75	125				

Sample ID: **2104433-002AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **5/5/2021** RunNo: **67078**
Client ID: **B95-AB-08-6.5** Batch ID: **32194** Analysis Date: **5/6/2021** SeqNo: **1351364**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	49.5	0.104	43.28	3.621	106	75	125	49.83	0.712	20	
Barium	121	0.519	43.28	66.65	125	75	125	118.5	2.06	20	
Cadmium	2.22	0.173	2.164	0.05423	100	75	125	2.206	0.821	20	
Chromium	87.7	0.346	43.28	35.53	121	75	125	88.42	0.766	20	
Lead	23.8	0.173	21.64	2.740	97.3	75	125	24.52	3.01	20	
Selenium	5.33	0.173	4.328	1.159	96.3	75	125	5.637	5.62	20	
Silver	1.92	0.130	2.164	0	88.6	75	125	1.906	0.627	20	

Sample ID: **MB-32209** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/6/2021** RunNo: **67106**
Client ID: **MBLKS** Batch ID: **32209** Analysis Date: **5/7/2021** SeqNo: **1351976**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	ND	0.484									
Cadmium	ND	0.161									
Chromium	ND	0.323									
Lead	ND	0.161									
Selenium	ND	0.161									
Silver	ND	0.121									

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-32209** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/6/2021** RunNo: **67141**
Client ID: **MBLKS** Batch ID: **32209** Analysis Date: **5/7/2021** SeqNo: **1352845**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0968									

Sample ID: **LCS-32209** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/6/2021** RunNo: **67106**
Client ID: **LCSS** Batch ID: **32209** Analysis Date: **5/7/2021** SeqNo: **1351977**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	40.2	0.484	40.32	0	99.6	80	120				
Cadmium	2.02	0.161	2.016	0	100	80	120				
Chromium	41.8	0.323	40.32	0	104	80	120				
Lead	20.8	0.161	20.16	0	103	80	120				
Selenium	3.44	0.161	4.032	0	85.2	80	120				
Silver	2.15	0.121	2.016	0	106	80	120				

Sample ID: **LCS-32209** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/6/2021** RunNo: **67141**
Client ID: **LCSS** Batch ID: **32209** Analysis Date: **5/7/2021** SeqNo: **1352846**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	40.1	0.0968	40.32	0	99.4	80	120				

Sample ID: **2105059-002AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/6/2021** RunNo: **67106**
Client ID: **BATCH** Batch ID: **32209** Analysis Date: **5/7/2021** SeqNo: **1351980**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	44.1	0.519	43.27	0.7601	100	75	125				
Cadmium	2.30	0.173	2.164	0.004370	106	75	125				
Chromium	46.1	0.346	43.27	0.1873	106	75	125				
Lead	21.9	0.173	21.64	0	101	75	125				
Selenium	3.72	0.173	4.327	0	86.0	75	125				
Silver	2.41	0.130	2.164	0.05305	109	75	125				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **2105059-002AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/6/2021** RunNo: **67106**
Client ID: **BATCH** Batch ID: **32209** Analysis Date: **5/7/2021** SeqNo: **1351980**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2105059-002AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/6/2021** RunNo: **67141**
Client ID: **BATCH** Batch ID: **32209** Analysis Date: **5/7/2021** SeqNo: **1352849**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	45.0	0.104	43.27	0	104	75	125				

Sample ID: **2105059-002AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **5/6/2021** RunNo: **67106**
Client ID: **BATCH** Batch ID: **32209** Analysis Date: **5/7/2021** SeqNo: **1351981**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	44.3	0.515	42.93	0.7601	101	75	125	44.15	0.382	20	
Cadmium	2.16	0.172	2.146	0.004370	100	75	125	2.300	6.30	20	
Chromium	45.8	0.343	42.93	0.1873	106	75	125	46.08	0.614	20	
Lead	21.9	0.172	21.46	0	102	75	125	21.94	0.127	20	
Selenium	4.25	0.172	4.293	0	99.1	75	125	3.721	13.4	20	
Silver	2.29	0.129	2.146	0.05305	104	75	125	2.410	4.93	20	

Sample ID: **2105059-002AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **5/6/2021** RunNo: **67141**
Client ID: **BATCH** Batch ID: **32209** Analysis Date: **5/7/2021** SeqNo: **1352850**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	43.2	0.103	42.93	0	101	75	125	45.05	4.14	20	

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **LCS-32347** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/19/2021** RunNo: **67394**
Client ID: **LCSS** Batch ID: **32347** Analysis Date: **5/20/2021** SeqNo: **1358780**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Barium	41.4	0.458	38.17	0	109	80	120				
Cadmium	2.08	0.153	1.908	0	109	80	120				
Chromium	41.1	0.305	38.17	0	108	80	120				
Lead	19.8	0.153	19.08	0	104	80	120				
Silver	2.01	0.115	1.908	0	105	80	120				

Sample ID: **2105160-003AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/19/2021** RunNo: **67394**
Client ID: **BATCH** Batch ID: **32347** Analysis Date: **5/20/2021** SeqNo: **1358783**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	59.4	0.105	43.70	8.875	116	75	125				
Barium	85.5	0.524	43.70	44.50	93.8	75	125				
Cadmium	3.10	0.175	2.185	0.8981	101	75	125				
Chromium	131	0.350	43.70	49.70	185	75	125				S
Lead	295	0.175	21.85	257.0	174	75	125				ES
Selenium	6.21	0.175	4.370	2.184	92.2	75	125				
Silver	2.48	0.131	2.185	0.2834	100	75	125				

NOTES:
S - Lead analyte concentration was too high for accurate spike recovery(ies).
S - Outlying spike recovery(ies) observed for Chromium. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Sample ID: **2105160-003AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **5/19/2021** RunNo: **67394**
Client ID: **BATCH** Batch ID: **32347** Analysis Date: **5/20/2021** SeqNo: **1358784**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	55.2	0.105	43.70	8.875	106	75	125	59.43	7.34	20	
Barium	91.6	0.524	43.70	44.50	108	75	125	85.48	6.97	20	
Cadmium	3.13	0.175	2.185	0.8981	102	75	125	3.097	1.10	20	
Chromium	116	0.350	43.70	49.70	152	75	125	130.6	11.6	20	S
Lead	264	0.175	21.85	257.0	32.8	75	125	295.1	11.1	20	ES

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **2105160-003AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **5/19/2021** RunNo: **67394**
Client ID: **BATCH** Batch ID: **32347** Analysis Date: **5/20/2021** SeqNo: **1358784**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	6.31	0.175	4.370	2.184	94.4	75	125	6.212	1.56	20	
Silver	2.43	0.131	2.185	0.2834	98.1	75	125	2.476	2.03	20	

NOTES:
S - Lead analyte concentration was too high for accurate spike recovery(ies).
S - Outlying spike recovery(ies) observed for Chromium. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Sample ID: **2105160-003APDS** SampType: **PDS** Units: **mg/Kg-dry** Prep Date: **5/19/2021** RunNo: **67394**
Client ID: **BATCH** Batch ID: **32347** Analysis Date: **5/20/2021** SeqNo: **1358785**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	134	0.437	54.6	49.7	154	75	125				S
Lead	351	0.218	27.3	257	344	75	125				ES

NOTES:
S - Outlying spike recovery(ies) observed for Chromium indicating a possible matrix effect.
S - Lead analyte concentration was too high for accurate spike recovery(ies).
E - Estimated value. The amount exceeds the linear working range of the instrument.

Sample ID: **MB-32347** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/19/2021** RunNo: **67394**
Client ID: **MBLKS** Batch ID: **32347** Analysis Date: **5/21/2021** SeqNo: **1359307**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0923									
Barium	ND	0.462									
Cadmium	ND	0.154									
Chromium	ND	0.308									
Lead	ND	0.154									
Selenium	ND	0.154									
Silver	ND	0.115									

Date: *5/25/2021*

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **LCS-32347** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/19/2021** RunNo: **67394**
Client ID: **LCSS** Batch ID: **32347** Analysis Date: **5/21/2021** SeqNo: **1359310**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	3.56	0.153	3.817	0	93.3	80	120				

Sample ID: **LCS-32347** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/19/2021** RunNo: **67394**
Client ID: **LCSS** Batch ID: **32347** Analysis Date: **5/24/2021** SeqNo: **1359739**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	35.7	0.0916	38.17	0	93.6	80	120				

Date: *5/25/2021*

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Mercury by EPA Method 7471

Sample ID: **MB-32228** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/7/2021** RunNo: **67103**
Client ID: **MBLKS** Batch ID: **32228** Analysis Date: **5/7/2021** SeqNo: **1351821**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.250									

Sample ID: **LCS-32228** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/7/2021** RunNo: **67103**
Client ID: **LCSS** Batch ID: **32228** Analysis Date: **5/7/2021** SeqNo: **1351822**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.518	0.250	0.5000	0	104	80	120				

Sample ID: **2104433-002ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/7/2021** RunNo: **67103**
Client ID: **B95-AB-08-6.5** Batch ID: **32228** Analysis Date: **5/7/2021** SeqNo: **1351824**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.259						0		20	

Sample ID: **2104433-002AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/7/2021** RunNo: **67103**
Client ID: **B95-AB-08-6.5** Batch ID: **32228** Analysis Date: **5/7/2021** SeqNo: **1351825**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.615	0.269	0.5389	0.01250	112	70	130				

Sample ID: **2104433-002AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **5/7/2021** RunNo: **67103**
Client ID: **B95-AB-08-6.5** Batch ID: **32228** Analysis Date: **5/7/2021** SeqNo: **1351827**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.499	0.254	0.5090	0.01250	95.5	70	130	0.6154	20.9	20	

Date: *5/25/2021*

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Mercury by EPA Method 7471

Sample ID: **MB-32229** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/7/2021** RunNo: **67104**
Client ID: **MBLKS** Batch ID: **32229** Analysis Date: **5/7/2021** SeqNo: **1351905**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.250									

Sample ID: **LCS-32229** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/7/2021** RunNo: **67104**
Client ID: **LCSS** Batch ID: **32229** Analysis Date: **5/7/2021** SeqNo: **1351906**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.567	0.250	0.5000	0	113	80	120				

Sample ID: **2104433-030ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/7/2021** RunNo: **67104**
Client ID: **B95-AB-02-21.5** Batch ID: **32229** Analysis Date: **5/7/2021** SeqNo: **1351908**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.282						0		20	

Sample ID: **2104433-030AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/7/2021** RunNo: **67104**
Client ID: **B95-AB-02-21.5** Batch ID: **32229** Analysis Date: **5/7/2021** SeqNo: **1351909**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.457	0.267	0.5334	0.05038	76.2	70	130				

Sample ID: **2104433-030AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **5/7/2021** RunNo: **67104**
Client ID: **B95-AB-02-21.5** Batch ID: **32229** Analysis Date: **5/7/2021** SeqNo: **1351910**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.707	0.288	0.5761	0.05038	114	70	130	0.4566	43.1	20	R

NOTES:
R - High RPD observed, spike recovery is within range.

Date: *5/25/2021*

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Mercury by EPA Method 7471

Sample ID: **MB-32361** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/20/2021** RunNo: **67382**
Client ID: **MBLKS** Batch ID: **32361** Analysis Date: **5/20/2021** SeqNo: **1358605**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.250									

Sample ID: **LCS-32361** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/20/2021** RunNo: **67382**
Client ID: **LCSS** Batch ID: **32361** Analysis Date: **5/20/2021** SeqNo: **1358606**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.585	0.250	0.5000	0	117	80	120				

Sample ID: **2105276-003ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/20/2021** RunNo: **67382**
Client ID: **BATCH** Batch ID: **32361** Analysis Date: **5/20/2021** SeqNo: **1358608**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.253						0		20	

Sample ID: **2105276-003AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/20/2021** RunNo: **67382**
Client ID: **BATCH** Batch ID: **32361** Analysis Date: **5/20/2021** SeqNo: **1358609**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.597	0.248	0.4963	0.01656	117	70	130				

Sample ID: **2105276-003AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **5/20/2021** RunNo: **67382**
Client ID: **BATCH** Batch ID: **32361** Analysis Date: **5/20/2021** SeqNo: **1358610**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.550	0.244	0.4872	0.01656	109	70	130	0.5966	8.22	20	

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-32198** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/5/2021** RunNo: **67032**
Client ID: **MBLKS** Batch ID: **32198** Analysis Date: **5/5/2021** SeqNo: **1350254**

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	7.85		10.00		78.5	50	150				
Surr: o-Terphenyl	8.79		10.00		87.9	50	150				

Sample ID: **LCS-32198** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/5/2021** RunNo: **67032**
Client ID: **LCSS** Batch ID: **32198** Analysis Date: **5/5/2021** SeqNo: **1350255**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	509	50.0	500.0	0	102	75.7	116				
Surr: 2-Fluorobiphenyl	6.69		10.00		66.9	50	150				
Surr: o-Terphenyl	10.9		10.00		109	50	150				

Sample ID: **2105040-004AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/5/2021** RunNo: **67032**
Client ID: **BATCH** Batch ID: **32198** Analysis Date: **5/5/2021** SeqNo: **1350258**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	509	50.3	503.4	0	101	59.6	134				
Surr: 2-Fluorobiphenyl	6.19		10.07		61.5	50	150				
Surr: o-Terphenyl	10.9		10.07		108	50	150				

Sample ID: **2105040-004AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **5/5/2021** RunNo: **67032**
Client ID: **BATCH** Batch ID: **32198** Analysis Date: **5/5/2021** SeqNo: **1350259**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	492	48.6	486.0	0	101	59.6	134	508.9	3.33	30	
Surr: 2-Fluorobiphenyl	6.20		9.720		63.8	50	150		0		
Surr: o-Terphenyl	10.6		9.720		109	50	150		0		

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2105040-004AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **5/5/2021** RunNo: **67032**
Client ID: **BATCH** Batch ID: **32198** Analysis Date: **5/5/2021** SeqNo: **1350259**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2104433-003ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/5/2021** RunNo: **67032**
Client ID: **B95-AB-08-9** Batch ID: **32198** Analysis Date: **5/5/2021** SeqNo: **1350735**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	54.5						0		30	
Heavy Oil	ND	109						0		30	
Total Petroleum Hydrocarbons	ND	163						0		30	
Surr: 2-Fluorobiphenyl	6.68		10.90		61.3	50	150		0		
Surr: o-Terphenyl	7.94		10.90		72.9	50	150		0		

Sample ID: **MB-32201** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/5/2021** RunNo: **67079**
Client ID: **MBLKS** Batch ID: **32201** Analysis Date: **5/5/2021** SeqNo: **1351392**

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	6.91		10.00		69.1	50	150				
Surr: o-Terphenyl	7.70		10.00		77.0	50	150				

Sample ID: **LCS-32201** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/5/2021** RunNo: **67079**
Client ID: **LCSS** Batch ID: **32201** Analysis Date: **5/5/2021** SeqNo: **1351393**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	458	50.0	500.0	0	91.6	75.7	116				
Surr: 2-Fluorobiphenyl	7.94		10.00		79.4	50	150				
Surr: o-Terphenyl	9.60		10.00		96.0	50	150				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2105049-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/5/2021** RunNo: **67079**
Client ID: **BATCH** Batch ID: **32201** Analysis Date: **5/5/2021** SeqNo: **1351395**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	497	50.3	503.1	33.02	92.1	59.6	134				
Surr: 2-Fluorobiphenyl	7.88		10.06		78.3	50	150				
Surr: o-Terphenyl	10.2		10.06		101	50	150				

Sample ID: **2105049-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **5/5/2021** RunNo: **67079**
Client ID: **BATCH** Batch ID: **32201** Analysis Date: **5/5/2021** SeqNo: **1351396**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	481	49.5	495.4	33.02	90.5	59.6	134	496.5	3.14	30	
Surr: 2-Fluorobiphenyl	7.93		9.908		80.0	50	150		0		
Surr: o-Terphenyl	10.0		9.908		101	50	150		0		

Sample ID: **2105049-002ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/5/2021** RunNo: **67079**
Client ID: **BATCH** Batch ID: **32201** Analysis Date: **5/5/2021** SeqNo: **1351398**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	44.8						0		30	
Heavy Oil	ND	89.5						0		30	
Total Petroleum Hydrocarbons	ND	134						0		30	
Surr: 2-Fluorobiphenyl	7.10		8.951		79.3	50	150		0		
Surr: o-Terphenyl	7.64		8.951		85.4	50	150		0		

Sample ID: **MB-32216** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/6/2021** RunNo: **67085**
Client ID: **MBLKS** Batch ID: **32216** Analysis Date: **5/6/2021** SeqNo: **1351558**

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									

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-32216** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/6/2021** RunNo: **67085**
Client ID: **MBLKS** Batch ID: **32216** Analysis Date: **5/6/2021** SeqNo: **1351558**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	10.6		10.00		106	50	150				
Surr: o-Terphenyl	11.2		10.00		112	50	150				

Sample ID: **LCS-32216** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/6/2021** RunNo: **67085**
Client ID: **LCSS** Batch ID: **32216** Analysis Date: **5/6/2021** SeqNo: **1351559**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	494	50.0	500.0	0	98.8	75.7	116				
Surr: 2-Fluorobiphenyl	9.17		10.00		91.7	50	150				
Surr: o-Terphenyl	11.5		10.00		115	50	150				

Sample ID: **2104384-008AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/6/2021** RunNo: **67085**
Client ID: **BATCH** Batch ID: **32216** Analysis Date: **5/6/2021** SeqNo: **1351561**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	546	53.8	537.7	0	101	59.6	134				
Surr: 2-Fluorobiphenyl	10.4		10.75		96.6	50	150				
Surr: o-Terphenyl	12.5		10.75		116	50	150				

Sample ID: **2104384-008AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **5/6/2021** RunNo: **67085**
Client ID: **BATCH** Batch ID: **32216** Analysis Date: **5/6/2021** SeqNo: **1351562**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	597	54.6	546.3	0	109	59.6	134	545.7	8.97	30	
Surr: 2-Fluorobiphenyl	11.0		10.93		101	50	150		0		
Surr: o-Terphenyl	12.6		10.93		116	50	150		0		

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2104384-009ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/6/2021** RunNo: **67085**
Client ID: **BATCH** Batch ID: **32216** Analysis Date: **5/6/2021** SeqNo: **1351564**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	47.4						0		30	
Heavy Oil	ND	94.7						0		30	
Total Petroleum Hydrocarbons	ND	142						0		30	
Surr: 2-Fluorobiphenyl	7.07		9.473		74.6	50	150		0		
Surr: o-Terphenyl	7.64		9.473		80.6	50	150		0		

Sample ID: **MB-32314** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/14/2021** RunNo: **67278**
Client ID: **MBLKS** Batch ID: **32314** Analysis Date: **5/14/2021** SeqNo: **1356194**

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	8.95		10.00		89.5	50	150				
Surr: o-Terphenyl	9.63		10.00		96.3	50	150				

Sample ID: **LCS-32314** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/14/2021** RunNo: **67278**
Client ID: **LCSS** Batch ID: **32314** Analysis Date: **5/14/2021** SeqNo: **1356195**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	528	50.0	500.0	0	106	75.7	116				
Surr: 2-Fluorobiphenyl	9.14		10.00		91.4	50	150				
Surr: o-Terphenyl	11.5		10.00		115	50	150				

Sample ID: **2104433-043AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/14/2021** RunNo: **67278**
Client ID: **B95-AB-06-23** Batch ID: **32314** Analysis Date: **5/14/2021** SeqNo: **1356197**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	503	53.3	532.5	17.00	91.4	59.6	134				H

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2104433-043AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/14/2021** RunNo: **67278**
Client ID: **B95-AB-06-23** Batch ID: **32314** Analysis Date: **5/14/2021** SeqNo: **1356197**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	10.2		10.65		95.4	50	150				H
Surr: o-Terphenyl	12.8		10.65		120	50	150				H

Sample ID: **2104433-043AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **5/14/2021** RunNo: **67278**
Client ID: **B95-AB-06-23** Batch ID: **32314** Analysis Date: **5/14/2021** SeqNo: **1356198**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	469	52.3	523.1	17.00	86.5	59.6	134	503.5	7.03	30	H
Surr: 2-Fluorobiphenyl	10.2		10.46		97.4	50	150		0		H
Surr: o-Terphenyl	12.2		10.46		116	50	150		0		H

Sample ID: **2105227-001ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/14/2021** RunNo: **67278**
Client ID: **BATCH** Batch ID: **32314** Analysis Date: **5/14/2021** SeqNo: **1356211**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	52.8						0		30	
Heavy Oil	ND	106						0		30	
Total Petroleum Hydrocarbons	ND	158						0		30	
Surr: 2-Fluorobiphenyl	10.4		10.55		98.5	50	150		0		
Surr: o-Terphenyl	11.2		10.55		106	50	150		0		

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **MB-32172** SampType: **MBLK** Units: **µg/Kg** Prep Date: **5/3/2021** RunNo: **66977**
Client ID: **MBLKS** Batch ID: **32172** Analysis Date: **5/3/2021** SeqNo: **1349033**

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	749		1,000		74.9	19	135				
Surr: Terphenyl-d14 (surr)	882		1,000		88.2	42.9	156				

Sample ID: **LCS-32172** SampType: **LCS** Units: **µg/Kg** Prep Date: **5/3/2021** RunNo: **66977**
Client ID: **LCSS** Batch ID: **32172** Analysis Date: **5/3/2021** SeqNo: **1349035**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,550	20.0	2,000	0	77.6	62.7	127				
2-Methylnaphthalene	1,570	20.0	2,000	0	78.3	62.7	132				
1-Methylnaphthalene	1,600	20.0	2,000	0	79.8	61.4	131				
Acenaphthylene	1,530	20.0	2,000	0	76.4	62	132				
Acenaphthene	1,520	20.0	2,000	0	76.1	59.2	132				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **LCS-32172** SampType: **LCS** Units: **µg/Kg** Prep Date: **5/3/2021** RunNo: **66977**
Client ID: **LCSS** Batch ID: **32172** Analysis Date: **5/3/2021** SeqNo: **1349035**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	1,610	20.0	2,000	0	80.3	59.1	136				
Phenanthrene	1,560	40.0	2,000	0	78.2	54.1	139				
Anthracene	1,580	40.0	2,000	0	79.1	55.5	136				
Fluoranthene	1,630	40.0	2,000	0	81.5	52.8	149				
Pyrene	1,560	40.0	2,000	0	77.8	53.6	146				
Benz(a)anthracene	1,680	20.0	2,000	0	84.0	49.7	153				
Chrysene	1,480	40.0	2,000	0	73.9	52.6	147				
Benzo(b)fluoranthene	1,550	20.0	2,000	0	77.6	50.6	151				
Benzo(k)fluoranthene	1,590	20.0	2,000	0	79.4	47.1	155				
Benzo(a)pyrene	1,730	20.0	2,000	0	86.5	48.3	169				
Indeno(1,2,3-cd)pyrene	1,650	40.0	2,000	0	82.3	52.3	145				
Dibenz(a,h)anthracene	1,690	40.0	2,000	0	84.6	53	144				
Benzo(g,h,i)perylene	1,520	20.0	2,000	0	75.9	49.7	144				
Surr: 2-Fluorobiphenyl	760		1,000		76.0	19	135				
Surr: Terphenyl-d14 (surr)	892		1,000		89.2	42.9	156				

Sample ID: **2104433-039AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **5/3/2021** RunNo: **66977**
Client ID: **B95-AB-06-13** Batch ID: **32172** Analysis Date: **5/4/2021** SeqNo: **1349060**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,410	20.9	2,086	0	67.6	26.5	126				
2-Methylnaphthalene	1,430	20.9	2,086	0	68.5	40.5	117				
1-Methylnaphthalene	1,450	20.9	2,086	0	69.7	37	118				
Acenaphthylene	1,400	20.9	2,086	0	67.2	34.6	121				
Acenaphthene	1,370	20.9	2,086	0	65.8	36.9	114				
Fluorene	1,470	20.9	2,086	0	70.3	36.5	120				
Phenanthrene	1,470	41.7	2,086	33.40	68.7	29.2	124				
Anthracene	1,440	41.7	2,086	0	69.1	32.9	127				
Fluoranthene	1,490	41.7	2,086	22.59	70.3	33.2	130				
Pyrene	1,420	41.7	2,086	17.69	67.2	32	128				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2104433-039AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **5/3/2021** RunNo: **66977**
Client ID: **B95-AB-06-13** Batch ID: **32172** Analysis Date: **5/4/2021** SeqNo: **1349060**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,520	20.9	2,086	11.90	72.4	33	134				
Chrysene	1,340	41.7	2,086	9.423	63.8	33.1	123				
Benzo(b)fluoranthene	1,390	20.9	2,086	0	66.8	36.3	126				
Benzo(k)fluoranthene	1,480	20.9	2,086	0	71.1	33.2	131				
Benzo(a)pyrene	1,590	20.9	2,086	5.097	76.1	36.2	148				
Indeno(1,2,3-cd)pyrene	1,470	41.7	2,086	0	70.7	32.8	124				
Dibenz(a,h)anthracene	1,520	41.7	2,086	0	72.7	31.4	126				
Benzo(g,h,i)perylene	1,360	20.9	2,086	2.405	64.9	25.3	122				
Surr: 2-Fluorobiphenyl	707		1,043		67.8	19	135				
Surr: Terphenyl-d14 (surr)	805		1,043		77.2	42.9	156				

Sample ID: **2104433-039AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **5/3/2021** RunNo: **66977**
Client ID: **B95-AB-06-13** Batch ID: **32172** Analysis Date: **5/4/2021** SeqNo: **1349061**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,380	20.8	2,080	0	66.4	26.5	126	1,410	1.98	30	
2-Methylnaphthalene	1,400	20.8	2,080	0	67.2	40.5	117	1,429	2.26	30	
1-Methylnaphthalene	1,420	20.8	2,080	0	68.4	37	118	1,454	2.13	30	
Acenaphthylene	1,350	20.8	2,080	0	64.9	34.6	121	1,403	3.86	30	
Acenaphthene	1,360	20.8	2,080	0	65.1	36.9	114	1,373	1.33	30	
Fluorene	1,440	20.8	2,080	0	69.2	36.5	120	1,467	1.89	30	
Phenanthrene	1,420	41.6	2,080	33.40	66.9	29.2	124	1,466	2.89	30	
Anthracene	1,400	41.6	2,080	0	67.4	32.9	127	1,441	2.75	30	
Fluoranthene	1,480	41.6	2,080	22.59	69.8	33.2	130	1,490	0.999	30	
Pyrene	1,400	41.6	2,080	17.69	66.5	32	128	1,420	1.32	30	
Benz(a)anthracene	1,500	20.8	2,080	11.90	71.5	33	134	1,522	1.52	30	
Chrysene	1,340	41.6	2,080	9.423	64.2	33.1	123	1,341	0.200	30	
Benzo(b)fluoranthene	1,450	20.8	2,080	0	69.8	36.3	126	1,394	4.12	30	
Benzo(k)fluoranthene	1,420	20.8	2,080	0	68.0	33.2	131	1,483	4.64	30	
Benzo(a)pyrene	1,600	20.8	2,080	5.097	76.6	36.2	148	1,592	0.478	30	

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2104433-039AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **5/3/2021** RunNo: **66977**
Client ID: **B95-AB-06-13** Batch ID: **32172** Analysis Date: **5/4/2021** SeqNo: **1349061**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	1,460	41.6	2,080	0	70.3	32.8	124	1,474	0.793	30	
Dibenz(a,h)anthracene	1,510	41.6	2,080	0	72.4	31.4	126	1,518	0.723	30	
Benzo(g,h,i)perylene	1,340	20.8	2,080	2.405	64.3	25.3	122	1,356	1.21	30	
Surr: 2-Fluorobiphenyl	698		1,040		67.1	19	135		0		
Surr: Terphenyl-d14 (surr)	801		1,040		77.0	42.9	156		0		

Sample ID: **MB-32203** SampType: **MBLK** Units: **µg/Kg** Prep Date: **5/5/2021** RunNo: **67108**
Client ID: **MBLKS** Batch ID: **32203** Analysis Date: **5/5/2021** SeqNo: **1352054**

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	877		1,000		87.7	19	135				
Surr: Terphenyl-d14 (surr)	1,110		1,000		111	42.9	156				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **MB-32203**	SampType: **MBLK**	Units: **µg/Kg**	Prep Date: **5/5/2021**	RunNo: **67108**
Client ID: **MBLKS**	Batch ID: **32203**		Analysis Date: **5/5/2021**	SeqNo: **1352054**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **LCS-32203**	SampType: **LCS**	Units: **µg/Kg**	Prep Date: **5/5/2021**	RunNo: **67108**
Client ID: **LCSS**	Batch ID: **32203**		Analysis Date: **5/5/2021**	SeqNo: **1352055**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,730	20.0	2,000	0	86.4	62.7	127				
2-Methylnaphthalene	1,740	20.0	2,000	0	87.2	62.7	132				
1-Methylnaphthalene	1,770	20.0	2,000	0	88.7	61.4	131				
Acenaphthylene	1,670	20.0	2,000	0	83.4	62	132				
Acenaphthene	1,740	20.0	2,000	0	86.8	59.2	132				
Fluorene	1,830	20.0	2,000	0	91.5	59.1	136				
Phenanthrene	1,860	40.0	2,000	0	92.8	54.1	139				
Anthracene	1,820	40.0	2,000	0	90.9	55.5	136				
Fluoranthene	1,880	40.0	2,000	0	93.9	52.8	149				
Pyrene	1,800	40.0	2,000	0	90.1	53.6	146				
Benz(a)anthracene	1,920	20.0	2,000	0	96.1	49.7	153				
Chrysene	1,780	40.0	2,000	0	89.0	52.6	147				
Benzo(b)fluoranthene	1,980	20.0	2,000	0	99.1	50.6	151				
Benzo(k)fluoranthene	1,730	20.0	2,000	0	86.3	47.1	155				
Benzo(a)pyrene	2,040	20.0	2,000	0	102	48.3	169				
Indeno(1,2,3-cd)pyrene	1,930	40.0	2,000	0	96.5	52.3	145				
Dibenz(a,h)anthracene	1,990	40.0	2,000	0	99.3	53	144				
Benzo(g,h,i)perylene	1,800	20.0	2,000	0	89.9	49.7	144				
Surr: 2-Fluorobiphenyl	922		1,000		92.2	19	135				
Surr: Terphenyl-d14 (surr)	1,120		1,000		112	42.9	156				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2104433-038AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **5/5/2021** RunNo: **67108**
Client ID: **B95-AB-06-6.5** Batch ID: **32203** Analysis Date: **5/5/2021** SeqNo: **1352057**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,440	20.2	2,022	14.09	70.5	26.5	126				
2-Methylnaphthalene	1,470	20.2	2,022	14.45	72.0	40.5	117				
1-Methylnaphthalene	1,500	20.2	2,022	13.14	73.8	37	118				
Acenaphthylene	1,440	20.2	2,022	4.570	70.9	34.6	121				
Acenaphthene	1,450	20.2	2,022	14.96	71.2	36.9	114				
Fluorene	1,550	20.2	2,022	20.43	75.4	36.5	120				
Phenanthrene	1,790	40.4	2,022	286.2	74.5	29.2	124				
Anthracene	1,570	40.4	2,022	41.84	75.6	32.9	127				
Fluoranthene	1,690	40.4	2,022	199.5	73.9	33.2	130				
Pyrene	1,600	40.4	2,022	154.7	71.3	32	128				
Benz(a)anthracene	1,590	20.2	2,022	92.26	74.1	33	134				
Chrysene	1,520	40.4	2,022	106.6	70.1	33.1	123				
Benzo(b)fluoranthene	1,700	20.2	2,022	53.73	81.5	36.3	126				
Benzo(k)fluoranthene	1,420	20.2	2,022	71.88	66.6	33.2	131				
Benzo(a)pyrene	1,750	20.2	2,022	73.45	83.0	36.2	148				
Indeno(1,2,3-cd)pyrene	1,530	40.4	2,022	25.29	74.5	32.8	124				
Dibenz(a,h)anthracene	1,590	40.4	2,022	15.51	77.6	31.4	126				
Benzo(g,h,i)perylene	1,360	20.2	2,022	28.90	66.0	25.3	122				
Surr: 2-Fluorobiphenyl	743		1,011		73.4	19	135				
Surr: Terphenyl-d14 (surr)	894		1,011		88.4	42.9	156				

Sample ID: **2104433-038AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **5/5/2021** RunNo: **67108**
Client ID: **B95-AB-06-6.5** Batch ID: **32203** Analysis Date: **5/5/2021** SeqNo: **1352058**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,380	19.7	1,969	14.09	69.4	26.5	126	1,440	4.23	30	
2-Methylnaphthalene	1,420	19.7	1,969	14.45	71.3	40.5	117	1,470	3.61	30	
1-Methylnaphthalene	1,450	19.7	1,969	13.14	73.0	37	118	1,505	3.72	30	
Acenaphthylene	1,390	19.7	1,969	4.570	70.4	34.6	121	1,438	3.44	30	
Acenaphthene	1,410	19.7	1,969	14.96	70.8	36.9	114	1,454	3.23	30	

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2104433-038AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **5/5/2021** RunNo: **67108**
Client ID: **B95-AB-06-6.5** Batch ID: **32203** Analysis Date: **5/5/2021** SeqNo: **1352058**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	1,500	19.7	1,969	20.43	75.0	36.5	120	1,546	3.18	30	
Phenanthrene	1,700	39.4	1,969	286.2	72.0	29.2	124	1,793	5.14	30	
Anthracene	1,520	39.4	1,969	41.84	75.0	32.9	127	1,570	3.33	30	
Fluoranthene	1,640	39.4	1,969	199.5	73.2	33.2	130	1,693	3.21	30	
Pyrene	1,550	39.4	1,969	154.7	70.8	32	128	1,597	3.13	30	
Benz(a)anthracene	1,570	19.7	1,969	92.26	74.9	33	134	1,591	1.57	30	
Chrysene	1,500	39.4	1,969	106.6	70.8	33.1	123	1,524	1.46	30	
Benzo(b)fluoranthene	1,570	19.7	1,969	53.73	76.8	36.3	126	1,703	8.39	30	
Benzo(k)fluoranthene	1,520	19.7	1,969	71.88	73.4	33.2	131	1,419	6.64	30	
Benzo(a)pyrene	1,720	19.7	1,969	73.45	83.5	36.2	148	1,751	2.00	30	
Indeno(1,2,3-cd)pyrene	1,430	39.4	1,969	25.29	71.3	32.8	124	1,533	7.00	30	
Dibenz(a,h)anthracene	1,490	39.4	1,969	15.51	74.8	31.4	126	1,585	6.33	30	
Benzo(g,h,i)perylene	1,250	19.7	1,969	28.90	62.0	25.3	122	1,363	8.69	30	
Surr: 2-Fluorobiphenyl	729		984.4		74.1	19	135		0		
Surr: Terphenyl-d14 (surr)	884		984.4		89.8	42.9	156		0		

Sample ID: **MB-32316** SampType: **MBLK** Units: **µg/Kg** Prep Date: **5/14/2021** RunNo: **67279**
Client ID: **MBLKS** Batch ID: **32316** Analysis Date: **5/14/2021** SeqNo: **1356228**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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									
Surr: 2-Fluorobiphenyl	1,030		1,000		103	19	135				
Surr: Terphenyl-d14 (surr)	1,250		1,000		125	42.9	156				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **LCS-32316** SampType: **LCS** Units: **µg/Kg** Prep Date: **5/14/2021** RunNo: **67279**
Client ID: **LCSS** Batch ID: **32316** Analysis Date: **5/14/2021** SeqNo: **1356229**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,800	20.0	2,000	0	90.2	49.7	153				
Chrysene	1,740	40.0	2,000	0	86.8	52.6	147				
Benzo(b)fluoranthene	2,000	20.0	2,000	0	99.9	50.6	151				
Benzo(k)fluoranthene	1,640	20.0	2,000	0	81.9	47.1	155				
Benzo(a)pyrene	1,980	20.0	2,000	0	99.1	48.3	169				
Indeno(1,2,3-cd)pyrene	1,940	40.0	2,000	0	96.9	52.3	145				
Dibenz(a,h)anthracene	2,000	40.0	2,000	0	100	53	144				
Surr: 2-Fluorobiphenyl	966		1,000		96.6	19	135				
Surr: Terphenyl-d14 (surr)	1,160		1,000		116	42.9	156				

Sample ID: **2105227-005AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **5/14/2021** RunNo: **67279**
Client ID: **BATCH** Batch ID: **32316** Analysis Date: **5/14/2021** SeqNo: **1356234**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,790	22.3	2,234	0	80.0	33	134				
Chrysene	1,770	44.7	2,234	0	79.4	33.1	123				
Benzo(b)fluoranthene	1,740	22.3	2,234	0	77.8	36.3	126				
Benzo(k)fluoranthene	1,920	22.3	2,234	0	85.7	33.2	131				
Benzo(a)pyrene	2,000	22.3	2,234	9.974	89.1	36.2	148				
Indeno(1,2,3-cd)pyrene	1,890	44.7	2,234	0	84.7	32.8	124				
Dibenz(a,h)anthracene	1,950	44.7	2,234	0	87.1	31.4	126				
Surr: 2-Fluorobiphenyl	970		1,117		86.8	19	135				
Surr: Terphenyl-d14 (surr)	1,130		1,117		101	42.9	156				

Sample ID: **2105227-005AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **5/14/2021** RunNo: **67279**
Client ID: **BATCH** Batch ID: **32316** Analysis Date: **5/14/2021** SeqNo: **1356235**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,550	22.0	2,199	0	70.3	33	134	1,787	14.5	30	

Date: *5/25/2021*

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2105227-005AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **5/14/2021** RunNo: **67279**
Client ID: **BATCH** Batch ID: **32316** Analysis Date: **5/14/2021** SeqNo: **1356235**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	1,540	44.0	2,199	0	70.1	33.1	123	1,774	14.0	30	
Benzo(b)fluoranthene	1,650	22.0	2,199	0	75.2	36.3	126	1,739	5.01	30	
Benzo(k)fluoranthene	1,490	22.0	2,199	0	67.7	33.2	131	1,915	25.1	30	
Benzo(a)pyrene	1,740	22.0	2,199	9.974	78.6	36.2	148	2,000	13.9	30	
Indeno(1,2,3-cd)pyrene	1,640	44.0	2,199	0	74.6	32.8	124	1,892	14.3	30	
Dibenz(a,h)anthracene	1,690	44.0	2,199	0	76.9	31.4	126	1,946	14.0	30	
Surr: 2-Fluorobiphenyl	849		1,099		77.3	19	135		0		
Surr: Terphenyl-d14 (surr)	988		1,099		89.9	42.9	156		0		

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-32156** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/3/2021** RunNo: **66976**
Client ID: **LCSS** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1349002**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	22.6	5.00	25.00	0	90.5	65	135				
Surr: Toluene-d8	1.24		1.250		98.9	65	135				
Surr: 4-Bromofluorobenzene	1.34		1.250		107	65	135				

Sample ID: **MB-32156** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/3/2021** RunNo: **66976**
Client ID: **MBLKS** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1349003**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.19		1.250		95.0	65	135				
Surr: 4-Bromofluorobenzene	1.14		1.250		91.5	65	135				

Sample ID: **2104399-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/3/2021** RunNo: **66976**
Client ID: **BATCH** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1348983**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.91						0		30	
Surr: Toluene-d8	1.41		1.477		95.7	65	135		0		
Surr: 4-Bromofluorobenzene	1.40		1.477		94.7	65	135		0		

Sample ID: **2104443-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/3/2021** RunNo: **66976**
Client ID: **BATCH** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1348989**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.36						0		30	
Surr: Toluene-d8	1.29		1.339		96.0	65	135		0		
Surr: 4-Bromofluorobenzene	1.24		1.339		92.3	65	135		0		

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2104443-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/3/2021** RunNo: **66976**
Client ID: **BATCH** Batch ID: **32156** Analysis Date: **5/4/2021** SeqNo: **1348991**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	26.8	6.14	30.70	0	87.3	65	135				
Surr: Toluene-d8	1.51		1.535		98.5	65	135				
Surr: 4-Bromofluorobenzene	1.56		1.535		102	65	135				

Sample ID: **LCS-32175** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/4/2021** RunNo: **67027**
Client ID: **LCSS** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350140**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	23.0	5.00	25.00	0	92.2	65	135				
Surr: Toluene-d8	1.24		1.250		98.9	65	135				
Surr: 4-Bromofluorobenzene	1.35		1.250		108	65	135				

Sample ID: **MB-32175** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/4/2021** RunNo: **67027**
Client ID: **MBLKS** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350142**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.20		1.250		95.8	65	135				
Surr: 4-Bromofluorobenzene	1.14		1.250		91.2	65	135				

Sample ID: **2104424-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67027**
Client ID: **BATCH** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350113**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.96						0		30	
Surr: Toluene-d8	1.41		1.489		94.7	65	135		0		
Surr: 4-Bromofluorobenzene	1.36		1.489		91.7	65	135		0		

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2104433-009BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67027**
Client ID: **B95-AB-05-14** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350123**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	3.67						0		30	
Surr: Toluene-d8	0.876		0.9165		95.6	65	135		0		
Surr: 4-Bromofluorobenzene	0.849		0.9165		92.6	65	135		0		

Sample ID: **LCS-32187** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/4/2021** RunNo: **67023**
Client ID: **LCSS** Batch ID: **32187** Analysis Date: **5/4/2021** SeqNo: **1350160**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	24.9	5.00	25.00	0	99.4	65	135				
Surr: Toluene-d8	1.23		1.250		98.1	65	135				
Surr: 4-Bromofluorobenzene	1.27		1.250		101	65	135				

Sample ID: **MB-32187** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/4/2021** RunNo: **67023**
Client ID: **MBLKS** Batch ID: **32187** Analysis Date: **5/4/2021** SeqNo: **1350161**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.25		1.250		99.6	65	135				
Surr: 4-Bromofluorobenzene	1.20		1.250		95.6	65	135				

Sample ID: **2104433-029BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67023**
Client ID: **B95-AB-02-12.5** Batch ID: **32187** Analysis Date: **5/4/2021** SeqNo: **1350164**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	3.49						0		30	
Surr: Toluene-d8	0.884		0.8725		101	65	135		0		
Surr: 4-Bromofluorobenzene	0.849		0.8725		97.3	65	135		0		

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2104433-033BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67023**
Client ID: **B95-AB-03-7** Batch ID: **32187** Analysis Date: **5/5/2021** SeqNo: **1350167**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	3.37						0		30	
Surr: Toluene-d8	0.842		0.8424		99.9	65	135		0		
Surr: 4-Bromofluorobenzene	0.829		0.8424		98.4	65	135		0		

Sample ID: **2104433-011BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67027**
Client ID: **B95-AB-05-22** Batch ID: **32175** Analysis Date: **5/5/2021** SeqNo: **1350125**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	13.9	3.35	16.77	0	83.0	65	135				
Surr: Toluene-d8	0.835		0.8383		99.6	65	135				
Surr: 4-Bromofluorobenzene	0.900		0.8383		107	65	135				

Sample ID: **2104433-036BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67023**
Client ID: **B95-AB-03-22.5** Batch ID: **32187** Analysis Date: **5/5/2021** SeqNo: **1350178**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	20.0	4.74	23.72	0	84.4	65	135				
Surr: Toluene-d8	1.12		1.186		94.8	65	135				
Surr: 4-Bromofluorobenzene	1.25		1.186		105	65	135				

Sample ID: **LCS-32332** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/17/2021** RunNo: **67303**
Client ID: **LCSS** Batch ID: **32332** Analysis Date: **5/17/2021** SeqNo: **1356898**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	24.0	5.00	25.00	0	96.1	65	135				
Surr: Toluene-d8	1.25		1.250		99.8	65	135				
Surr: 4-Bromofluorobenzene	1.29		1.250		104	65	135				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **MB-32332** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/17/2021** RunNo: **67303**
Client ID: **MBLKS** Batch ID: **32332** Analysis Date: **5/17/2021** SeqNo: **1356899**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.26		1.250		101	65	135				
Surr: 4-Bromofluorobenzene	1.24		1.250		99.2	65	135				

Sample ID: **2105243-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/17/2021** RunNo: **67303**
Client ID: **BATCH** Batch ID: **32332** Analysis Date: **5/18/2021** SeqNo: **1356906**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	4.78						0		30	
Surr: Toluene-d8	1.21		1.195		101	65	135		0		
Surr: 4-Bromofluorobenzene	1.18		1.195		98.6	65	135		0		

Sample ID: **2105160-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/17/2021** RunNo: **67303**
Client ID: **BATCH** Batch ID: **32332** Analysis Date: **5/18/2021** SeqNo: **1356908**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	4.95						0		30	
Stoddard Solvent/Mineral Spirits	30.0	4.95						24.45	20.5	30	R
Surr: Toluene-d8	1.23		1.237		99.1	65	135		0		
Surr: 4-Bromofluorobenzene	1.31		1.237		106	65	135		0		

NOTES:
R - High RPD observed. The method is in control as indicated by the LCS.

Sample ID: **2105210-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/17/2021** RunNo: **67303**
Client ID: **BATCH** Batch ID: **32332** Analysis Date: **5/18/2021** SeqNo: **1356909**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	28.0	5.25	26.27	0	107	65	135				
Surr: Toluene-d8	1.31		1.314		100	65	135				
Surr: 4-Bromofluorobenzene	1.36		1.314		103	65	135				

Date: *5/25/2021*

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2105210-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/17/2021** RunNo: **67303**

Client ID: **BATCH** Batch ID: **32332** Analysis Date: **5/18/2021** SeqNo: **1356909**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-32156** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/3/2021** RunNo: **66975**
Client ID: **LCSS** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1348980**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.719	0.0500	1.000	0	71.9	80	120				S
Chloromethane	0.878	0.0800	1.000	0	87.8	80	120				
Vinyl chloride	0.916	0.0250	1.000	0	91.6	80	120				
Bromomethane	1.04	0.150	1.000	0	104	80	120				
Trichlorofluoromethane (CFC-11)	0.957	0.0500	1.000	0	95.7	80	120				
Chloroethane	0.749	0.120	1.000	0	74.9	80	120				S
1,1-Dichloroethene	0.949	0.0600	1.000	0	94.9	80	120				
Acetone	2.50	0.900	2.500	0	99.8	80	120				
Methylene chloride	0.878	0.0500	1.000	0	87.8	80	120				
trans-1,2-Dichloroethene	0.967	0.0300	1.000	0	96.7	80	120				
Methyl tert-butyl ether (MTBE)	1.05	0.0300	1.000	0	105	80	120				
1,1-Dichloroethane	0.967	0.0250	1.000	0	96.7	80	120				
cis-1,2-Dichloroethene	0.961	0.0250	1.000	0	96.1	80	120				
(MEK) 2-Butanone	2.61	0.450	2.500	0	104	80	120				
Chloroform	0.937	0.0250	1.000	0	93.7	80	120				
1,1,1-Trichloroethane (TCA)	0.944	0.0250	1.000	0	94.4	80	120				
1,1-Dichloropropene	0.966	0.0250	1.000	0	96.6	80	120				
Carbon tetrachloride	0.961	0.0750	1.000	0	96.1	80	120				
1,2-Dichloroethane (EDC)	0.917	0.0230	1.000	0	91.7	80	120				
Benzene	0.950	0.0200	1.000	0	95.0	80	120				
Trichloroethene (TCE)	0.946	0.0250	1.000	0	94.6	80	120				
1,2-Dichloropropane	0.938	0.0200	1.000	0	93.8	80	120				
Bromodichloromethane	0.956	0.0250	1.000	0	95.6	80	120				
Dibromomethane	0.954	0.0200	1.000	0	95.4	80	120				
cis-1,3-Dichloropropene	1.01	0.0800	1.000	0	101	80	120				
Toluene	0.979	0.0650	1.000	0	97.9	80	120				
trans-1,3-Dichloropropylene	0.989	0.0500	1.000	0	98.9	80	120				
Methyl Isobutyl Ketone (MIBK)	2.66	0.0750	2.500	0	107	80	120				
1,1,2-Trichloroethane	0.977	0.0170	1.000	0	97.7	80	120				
1,3-Dichloropropane	0.980	0.0200	1.000	0	98.0	80	120				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-32156** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/3/2021** RunNo: **66975**
Client ID: **LCSS** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1348980**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.00	0.0400	1.000	0	100	80	120				
Dibromochloromethane	0.994	0.0200	1.000	0	99.4	80	120				
1,2-Dibromoethane (EDB)	0.961	0.0200	1.000	0	96.1	80	120				
methyl n-butyl ketone	2.64	0.0600	2.500	0	106	80	120				
Chlorobenzene	0.972	0.0250	1.000	0	97.2	80	120				
1,1,1,2-Tetrachloroethane	1.03	0.0200	1.000	0	103	80	120				
Ethylbenzene	0.981	0.0250	1.000	0	98.1	80	120				
m,p-Xylene	2.01	0.0500	2.000	0	101	80	120				
o-Xylene	1.01	0.0250	1.000	0	101	80	120				
Styrene	0.992	0.0250	1.000	0	99.2	80	120				
Isopropylbenzene	1.00	0.0300	1.000	0	100	80	120				
Bromoform	1.04	0.0250	1.000	0	104	80	120				
1,1,2,2-Tetrachloroethane	1.02	0.0150	1.000	0	102	80	120				
n-Propylbenzene	1.02	0.0300	1.000	0	102	80	120				
Bromobenzene	0.996	0.0300	1.000	0	99.6	80	120				
1,3,5-Trimethylbenzene	1.03	0.0250	1.000	0	103	80	120				
2-Chlorotoluene	1.01	0.0300	1.000	0	101	80	120				
4-Chlorotoluene	1.01	0.0300	1.000	0	101	80	120				
tert-Butylbenzene	1.00	0.0300	1.000	0	100	80	120				
1,2,3-Trichloropropane	1.04	0.0250	1.000	0	104	80	120				
1,2,4-Trichlorobenzene	1.01	0.0400	1.000	0	101	80	120				
sec-Butylbenzene	1.02	0.0300	1.000	0	102	80	120				
4-Isopropyltoluene	1.03	0.0300	1.000	0	103	80	120				
1,3-Dichlorobenzene	0.996	0.0350	1.000	0	99.6	80	120				
1,4-Dichlorobenzene	0.992	0.0300	1.000	0	99.2	80	120				
n-Butylbenzene	0.986	0.0400	1.000	0	98.6	80	120				
1,2-Dichlorobenzene	1.01	0.0300	1.000	0	101	80	120				
1,2-Dibromo-3-chloropropane	0.996	0.0600	1.000	0	99.6	80	120				
1,2,4-Trimethylbenzene	1.05	0.0250	1.000	0	105	80	120				
Hexachloro-1,3-butadiene	1.06	0.0500	1.000	0	106	80	120				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-32156** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/3/2021** RunNo: **66975**
Client ID: **LCSS** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1348980**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.03	0.100	1.000	0	103	80	120				
1,2,3-Trichlorobenzene	1.01	0.0500	1.000	0	101	80	120				
Surr: Dibromofluoromethane	1.19		1.250		95.2	81.9	113				
Surr: Toluene-d8	1.28		1.250		102	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.33		1.250		107	87.9	109				

NOTES:
S - Outlying spike recovery observed (low bias). Samples will be qualified with a Q.

Sample ID: **MB-32156** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/3/2021** RunNo: **66975**
Client ID: **MBLKS** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1348979**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0500									Q
Chloromethane	ND	0.0800									
Vinyl chloride	ND	0.0250									
Bromomethane	ND	0.150									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.120									Q
1,1-Dichloroethene	ND	0.0600									
Acetone	ND	0.900									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0300									
Methyl tert-butyl ether (MTBE)	ND	0.0300									
1,1-Dichloroethane	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0250									
(MEK) 2-Butanone	ND	0.450									
Chloroform	ND	0.0250									
1,1,1-Trichloroethane (TCA)	ND	0.0250									
1,1-Dichloropropene	ND	0.0250									
Carbon tetrachloride	ND	0.0750									
1,2-Dichloroethane (EDC)	ND	0.0230									

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-32156** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/3/2021** RunNo: **66975**
Client ID: **MBLKS** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1348979**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0250									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0250									
Dibromomethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0800									
Toluene	ND	0.0650									
trans-1,3-Dichloropropylene	ND	0.0500									
Methyl Isobutyl Ketone (MIBK)	ND	0.0750									
1,1,2-Trichloroethane	ND	0.0170									
1,3-Dichloropropane	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Dibromochloromethane	ND	0.0200									
1,2-Dibromoethane (EDB)	ND	0.0200									
methyl n-butyl ketone	ND	0.0600									
Chlorobenzene	ND	0.0250									
1,1,1,2-Tetrachloroethane	ND	0.0200									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0250									
Isopropylbenzene	ND	0.0300									
Bromoform	ND	0.0250									
1,1,2,2-Tetrachloroethane	ND	0.0150									
n-Propylbenzene	ND	0.0300									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0250									
2-Chlorotoluene	ND	0.0300									
4-Chlorotoluene	ND	0.0300									
tert-Butylbenzene	ND	0.0300									

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-32156** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/3/2021** RunNo: **66975**
Client ID: **MBLKS** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1348979**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	0.0250									
1,2,4-Trichlorobenzene	ND	0.0400									
sec-Butylbenzene	ND	0.0300									
4-Isopropyltoluene	ND	0.0300									
1,3-Dichlorobenzene	ND	0.0350									
1,4-Dichlorobenzene	ND	0.0300									
n-Butylbenzene	ND	0.0400									
1,2-Dichlorobenzene	ND	0.0300									
1,2-Dibromo-3-chloropropane	ND	0.0600									
1,2,4-Trimethylbenzene	ND	0.0250									
Hexachloro-1,3-butadiene	ND	0.0500									
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.0500									
Surr: Dibromofluoromethane	1.19		1.250		94.9	81.9	113				
Surr: Toluene-d8	1.24		1.250		99.2	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.18		1.250		94.1	87.9	109				

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample ID: **2104399-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/3/2021** RunNo: **66975**
Client ID: **BATCH** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1348954**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0591						0		30	Q
Chloromethane	ND	0.0946						0		30	
Vinyl chloride	ND	0.0295						0		30	
Bromomethane	ND	0.177						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0591						0		30	
Chloroethane	ND	0.142						0		30	Q
1,1-Dichloroethene	ND	0.0709						0		30	
Acetone	ND	1.06						0		30	

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104399-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/3/2021** RunNo: **66975**
Client ID: **BATCH** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1348954**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	ND	0.0591						0		30	
trans-1,2-Dichloroethene	ND	0.0355						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0355						0		30	
1,1-Dichloroethane	ND	0.0295						0		30	
cis-1,2-Dichloroethene	ND	0.0295						0		30	
(MEK) 2-Butanone	ND	0.532						0		30	
Chloroform	ND	0.0295						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0295						0		30	
1,1-Dichloropropene	ND	0.0295						0		30	
Carbon tetrachloride	ND	0.0886						0		30	
1,2-Dichloroethane (EDC)	ND	0.0272						0		30	
Benzene	ND	0.0236						0		30	
Trichloroethene (TCE)	ND	0.0295						0		30	
1,2-Dichloropropane	ND	0.0236						0		30	
Bromodichloromethane	ND	0.0295						0		30	
Dibromomethane	ND	0.0236						0		30	
cis-1,3-Dichloropropene	ND	0.0946						0		30	
Toluene	ND	0.0768						0		30	
trans-1,3-Dichloropropylene	ND	0.0591						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0886						0		30	
1,1,2-Trichloroethane	ND	0.0201						0		30	
1,3-Dichloropropane	ND	0.0236						0		30	
Tetrachloroethene (PCE)	ND	0.0473						0		30	
Dibromochloromethane	ND	0.0236						0		30	
1,2-Dibromoethane (EDB)	ND	0.0236						0		30	
methyl n-butyl ketone	ND	0.0709						0		30	
Chlorobenzene	ND	0.0295						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0236						0		30	
Ethylbenzene	ND	0.0295						0		30	
m,p-Xylene	ND	0.0591						0		30	

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104399-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/3/2021** RunNo: **66975**
Client ID: **BATCH** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1348954**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	0.0295						0		30	
Styrene	ND	0.0295						0		30	
Isopropylbenzene	ND	0.0355						0		30	
Bromoform	ND	0.0295						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0177						0		30	
n-Propylbenzene	ND	0.0355						0		30	
Bromobenzene	ND	0.0355						0		30	
1,3,5-Trimethylbenzene	ND	0.0295						0		30	
2-Chlorotoluene	ND	0.0355						0		30	
4-Chlorotoluene	ND	0.0355						0		30	
tert-Butylbenzene	ND	0.0355						0		30	
1,2,3-Trichloropropane	ND	0.0295						0		30	
1,2,4-Trichlorobenzene	ND	0.0473						0		30	
sec-Butylbenzene	ND	0.0355						0		30	
4-Isopropyltoluene	ND	0.0355						0		30	
1,3-Dichlorobenzene	ND	0.0414						0		30	
1,4-Dichlorobenzene	ND	0.0355						0		30	
n-Butylbenzene	ND	0.0473						0		30	
1,2-Dichlorobenzene	ND	0.0355						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0709						0		30	
1,2,4-Trimethylbenzene	ND	0.0295						0		30	
Hexachloro-1,3-butadiene	ND	0.0591						0		30	
Naphthalene	ND	0.118						0		30	
1,2,3-Trichlorobenzene	ND	0.0591						0		30	
Surr: Dibromofluoromethane	1.50		1.477		102	81.9	113		0		
Surr: Toluene-d8	1.49		1.477		101	82.7	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.43		1.477		97.1	87.9	109		0		

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104399-003BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/3/2021** RunNo: **66975**
Client ID: **BATCH** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1348956**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.11	0.0547	1.094	0	101	5.08	187				
Chloromethane	1.02	0.0875	1.094	0	93.0	41.2	147				
Vinyl chloride	1.01	0.0273	1.094	0	92.6	49.9	147				
Bromomethane	1.31	0.164	1.094	0	120	47.1	182				
Trichlorofluoromethane (CFC-11)	1.21	0.0547	1.094	0	111	51.7	151				
Chloroethane	0.996	0.131	1.094	0	91.1	47.5	166				
1,1-Dichloroethene	1.27	0.0656	1.094	0	116	61.3	144				
Acetone	2.87	0.984	2.734	0	105	50.2	174				
Methylene chloride	0.941	0.0547	1.094	0	86.0	75.3	130				
trans-1,2-Dichloroethene	1.12	0.0328	1.094	0	103	73.5	130				
Methyl tert-butyl ether (MTBE)	1.17	0.0328	1.094	0	107	73	126				
1,1-Dichloroethane	1.10	0.0273	1.094	0	100	71.8	135				
cis-1,2-Dichloroethene	1.10	0.0273	1.094	0	101	77.5	127				
(MEK) 2-Butanone	3.00	0.492	2.734	0	110	48.6	166				
Chloroform	1.08	0.0273	1.094	0	98.5	77.3	127				
1,1,1-Trichloroethane (TCA)	1.16	0.0273	1.094	0	106	71.3	131				
1,1-Dichloropropene	1.15	0.0273	1.094	0	105	69.8	134				
Carbon tetrachloride	1.17	0.0820	1.094	0	107	66.1	133				
1,2-Dichloroethane (EDC)	1.06	0.0252	1.094	0	97.1	73.5	128				
Benzene	1.07	0.0219	1.094	0	98.1	76.8	129				
Trichloroethene (TCE)	1.08	0.0273	1.094	0	99.1	70.5	140				
1,2-Dichloropropane	1.03	0.0219	1.094	0	93.8	74.6	130				
Bromodichloromethane	1.08	0.0273	1.094	0	99.0	76.2	121				
Dibromomethane	1.10	0.0219	1.094	0	101	78	124				
cis-1,3-Dichloropropene	1.10	0.0875	1.094	0	100	76	120				
Toluene	1.10	0.0711	1.094	0	101	77.8	127				
trans-1,3-Dichloropropylene	1.06	0.0547	1.094	0	96.8	73.5	121				
Methyl Isobutyl Ketone (MIBK)	2.98	0.0820	2.734	0	109	61	139				
1,1,2-Trichloroethane	1.16	0.0186	1.094	0	106	77.7	123				
1,3-Dichloropropane	1.13	0.0219	1.094	0	103	77.4	123				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104399-003BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/3/2021** RunNo: **66975**
Client ID: **BATCH** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1348956**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.23	0.0437	1.094	0	113	70.7	131				
Dibromochloromethane	1.15	0.0219	1.094	0	105	74.7	120				
1,2-Dibromoethane (EDB)	1.14	0.0219	1.094	0	104	76.1	124				
methyl n-butyl ketone	3.07	0.0656	2.734	0	112	50.9	162				
Chlorobenzene	1.13	0.0273	1.094	0	103	80.4	123				
1,1,1,2-Tetrachloroethane	1.18	0.0219	1.094	0	108	79.5	121				
Ethylbenzene	1.16	0.0273	1.094	0	106	78.7	130				
m,p-Xylene	2.34	0.0547	2.187	0	107	79.3	127				
o-Xylene	1.16	0.0273	1.094	0	106	80.7	124				
Styrene	1.14	0.0273	1.094	0	105	81.9	122				
Isopropylbenzene	1.19	0.0328	1.094	0	109	75.7	132				
Bromoform	1.16	0.0273	1.094	0	106	74.3	121				
1,1,2,2-Tetrachloroethane	1.13	0.0164	1.094	0	104	60.2	136				
n-Propylbenzene	1.21	0.0328	1.094	0	111	76.4	134				
Bromobenzene	1.14	0.0328	1.094	0	104	80.3	122				
1,3,5-Trimethylbenzene	1.20	0.0273	1.094	0	110	79.5	127				
2-Chlorotoluene	1.18	0.0328	1.094	0	108	77.6	131				
4-Chlorotoluene	1.17	0.0328	1.094	0	107	80.2	126				
tert-Butylbenzene	1.19	0.0328	1.094	0	109	75.5	132				
1,2,3-Trichloropropane	1.17	0.0273	1.094	0	107	70.2	126				
1,2,4-Trichlorobenzene	1.15	0.0437	1.094	0	105	64.2	142				
sec-Butylbenzene	1.22	0.0328	1.094	0	112	75	133				
4-Isopropyltoluene	1.21	0.0328	1.094	0	111	74.4	133				
1,3-Dichlorobenzene	1.16	0.0383	1.094	0	106	80.7	127				
1,4-Dichlorobenzene	1.15	0.0328	1.094	0	105	81.9	124				
n-Butylbenzene	1.16	0.0437	1.094	0	106	71.5	140				
1,2-Dichlorobenzene	1.16	0.0328	1.094	0	106	83.7	122				
1,2-Dibromo-3-chloropropane	1.13	0.0656	1.094	0	103	64.9	130				
1,2,4-Trimethylbenzene	1.21	0.0273	1.094	0	111	79.3	127				
Hexachloro-1,3-butadiene	1.23	0.0547	1.094	0	112	59.2	149				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104399-003BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/3/2021** RunNo: **66975**
Client ID: **BATCH** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1348956**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.15	0.109	1.094	0	105	44.6	171				
1,2,3-Trichlorobenzene	1.13	0.0547	1.094	0	103	52.6	156				
Surr: Dibromofluoromethane	1.33		1.367		97.6	81.9	113				
Surr: Toluene-d8	1.32		1.367		96.3	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.46		1.367		107	87.9	109				

Sample ID: **2104443-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/3/2021** RunNo: **66975**
Client ID: **BATCH** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1348967**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0536						0		30	Q
Chloromethane	ND	0.0857						0		30	
Vinyl chloride	ND	0.0268						0		30	
Bromomethane	ND	0.161						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0536						0		30	
Chloroethane	ND	0.129						0		30	Q
1,1-Dichloroethene	ND	0.0643						0		30	
Acetone	ND	0.964						0		30	
Methylene chloride	ND	0.0536						0		30	
trans-1,2-Dichloroethene	ND	0.0321						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0321						0		30	
1,1-Dichloroethane	ND	0.0268						0		30	
cis-1,2-Dichloroethene	ND	0.0268						0		30	
(MEK) 2-Butanone	ND	0.482						0		30	
Chloroform	ND	0.0268						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0268						0		30	
1,1-Dichloropropene	ND	0.0268						0		30	
Carbon tetrachloride	ND	0.0804						0		30	
1,2-Dichloroethane (EDC)	ND	0.0246						0		30	
Benzene	ND	0.0214						0		30	

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104443-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/3/2021** RunNo: **66975**
Client ID: **BATCH** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1348967**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	ND	0.0268						0		30	
1,2-Dichloropropane	ND	0.0214						0		30	
Bromodichloromethane	ND	0.0268						0		30	
Dibromomethane	ND	0.0214						0		30	
cis-1,3-Dichloropropene	ND	0.0857						0		30	
Toluene	ND	0.0697						0		30	
trans-1,3-Dichloropropylene	ND	0.0536						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0804						0		30	
1,1,2-Trichloroethane	ND	0.0182						0		30	
1,3-Dichloropropane	ND	0.0214						0		30	
Tetrachloroethene (PCE)	ND	0.0429						0		30	
Dibromochloromethane	ND	0.0214						0		30	
1,2-Dibromoethane (EDB)	ND	0.0214						0		30	
methyl n-butyl ketone	ND	0.0643						0		30	
Chlorobenzene	ND	0.0268						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0214						0		30	
Ethylbenzene	ND	0.0268						0		30	
m,p-Xylene	ND	0.0536						0		30	
o-Xylene	ND	0.0268						0		30	
Styrene	ND	0.0268						0		30	
Isopropylbenzene	ND	0.0321						0		30	
Bromoform	ND	0.0268						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0161						0		30	
n-Propylbenzene	ND	0.0321						0		30	
Bromobenzene	ND	0.0321						0		30	
1,3,5-Trimethylbenzene	ND	0.0268						0		30	
2-Chlorotoluene	ND	0.0321						0		30	
4-Chlorotoluene	ND	0.0321						0		30	
tert-Butylbenzene	ND	0.0321						0		30	
1,2,3-Trichloropropane	ND	0.0268						0		30	

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104443-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/3/2021** RunNo: **66975**
Client ID: **BATCH** Batch ID: **32156** Analysis Date: **5/3/2021** SeqNo: **1348967**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.0429						0		30	
sec-Butylbenzene	ND	0.0321						0		30	
4-Isopropyltoluene	ND	0.0321						0		30	
1,3-Dichlorobenzene	ND	0.0375						0		30	
1,4-Dichlorobenzene	ND	0.0321						0		30	
n-Butylbenzene	ND	0.0429						0		30	
1,2-Dichlorobenzene	ND	0.0321						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0643						0		30	
1,2,4-Trimethylbenzene	ND	0.0268						0		30	
Hexachloro-1,3-butadiene	ND	0.0536						0		30	
Naphthalene	ND	0.107						0		30	
1,2,3-Trichlorobenzene	ND	0.0536						0		30	
Surr: Dibromofluoromethane	1.26		1.339		94.3	81.9	113		0		
Surr: Toluene-d8	1.31		1.339		97.8	82.7	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.27		1.339		94.9	87.9	109		0		

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample ID: **LCS-32175** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/4/2021** RunNo: **67026**
Client ID: **LCSS** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350110**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.18	0.0500	1.000	0	118	80	120				
Chloromethane	1.18	0.0800	1.000	0	118	80	120				
Vinyl chloride	0.862	0.0250	1.000	0	86.2	80	120				
Bromomethane	1.21	0.150	1.000	0	121	80	120				S
Trichlorofluoromethane (CFC-11)	1.00	0.0500	1.000	0	100	80	120				
Chloroethane	0.800	0.120	1.000	0	80.0	80	120				
1,1-Dichloroethene	1.07	0.0600	1.000	0	107	80	120				
Acetone	2.45	0.900	2.500	0	98.0	80	120				
Methylene chloride	1.01	0.0500	1.000	0	101	80	120				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-32175** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/4/2021** RunNo: **67026**
Client ID: **LCSS** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350110**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	0.998	0.0300	1.000	0	99.8	80	120				
Methyl tert-butyl ether (MTBE)	1.07	0.0300	1.000	0	107	80	120				
1,1-Dichloroethane	0.985	0.0250	1.000	0	98.5	80	120				
cis-1,2-Dichloroethene	0.980	0.0250	1.000	0	98.0	80	120				
(MEK) 2-Butanone	2.55	0.450	2.500	0	102	80	120				
Chloroform	0.958	0.0250	1.000	0	95.8	80	120				
1,1,1-Trichloroethane (TCA)	0.969	0.0250	1.000	0	96.9	80	120				
1,1-Dichloropropene	0.981	0.0250	1.000	0	98.1	80	120				
Carbon tetrachloride	0.972	0.0750	1.000	0	97.2	80	120				
1,2-Dichloroethane (EDC)	0.946	0.0230	1.000	0	94.6	80	120				
Benzene	0.974	0.0200	1.000	0	97.4	80	120				
Trichloroethene (TCE)	0.975	0.0250	1.000	0	97.5	80	120				
1,2-Dichloropropane	0.960	0.0200	1.000	0	96.0	80	120				
Bromodichloromethane	0.948	0.0250	1.000	0	94.8	80	120				
Dibromomethane	0.954	0.0200	1.000	0	95.4	80	120				
cis-1,3-Dichloropropene	1.03	0.0800	1.000	0	103	80	120				
Toluene	0.974	0.0650	1.000	0	97.4	80	120				
trans-1,3-Dichloropropylene	0.981	0.0500	1.000	0	98.1	80	120				
Methyl Isobutyl Ketone (MIBK)	2.71	0.0750	2.500	0	109	80	120				
1,1,2-Trichloroethane	0.959	0.0170	1.000	0	95.9	80	120				
1,3-Dichloropropane	0.973	0.0200	1.000	0	97.3	80	120				
Tetrachloroethene (PCE)	1.00	0.0400	1.000	0	100	80	120				
Dibromochloromethane	0.954	0.0200	1.000	0	95.4	80	120				
1,2-Dibromoethane (EDB)	0.976	0.0200	1.000	0	97.6	80	120				
methyl n-butyl ketone	2.67	0.0600	2.500	0	107	80	120				
Chlorobenzene	0.999	0.0250	1.000	0	99.9	80	120				
1,1,1,2-Tetrachloroethane	1.02	0.0200	1.000	0	102	80	120				
Ethylbenzene	1.01	0.0250	1.000	0	101	80	120				
m,p-Xylene	2.06	0.0500	2.000	0	103	80	120				
o-Xylene	1.03	0.0250	1.000	0	103	80	120				

Date: *5/25/2021*

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-32175** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/4/2021** RunNo: **67026**
Client ID: **LCSS** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350110**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	1.01	0.0250	1.000	0	101	80	120				
Isopropylbenzene	1.03	0.0300	1.000	0	103	80	120				
Bromoform	1.01	0.0250	1.000	0	101	80	120				
1,1,2,2-Tetrachloroethane	1.02	0.0150	1.000	0	102	80	120				
n-Propylbenzene	1.05	0.0300	1.000	0	105	80	120				
Bromobenzene	0.996	0.0300	1.000	0	99.6	80	120				
1,3,5-Trimethylbenzene	1.05	0.0250	1.000	0	105	80	120				
2-Chlorotoluene	1.03	0.0300	1.000	0	103	80	120				
4-Chlorotoluene	1.03	0.0300	1.000	0	103	80	120				
tert-Butylbenzene	1.03	0.0300	1.000	0	103	80	120				
1,2,3-Trichloropropane	1.04	0.0250	1.000	0	104	80	120				
1,2,4-Trichlorobenzene	1.01	0.0400	1.000	0	101	80	120				
sec-Butylbenzene	1.05	0.0300	1.000	0	105	80	120				
4-Isopropyltoluene	1.06	0.0300	1.000	0	106	80	120				
1,3-Dichlorobenzene	1.02	0.0350	1.000	0	102	80	120				
1,4-Dichlorobenzene	1.01	0.0300	1.000	0	101	80	120				
n-Butylbenzene	1.03	0.0400	1.000	0	103	80	120				
1,2-Dichlorobenzene	1.04	0.0300	1.000	0	104	80	120				
1,2-Dibromo-3-chloropropane	0.991	0.0600	1.000	0	99.1	80	120				
1,2,4-Trimethylbenzene	1.07	0.0250	1.000	0	107	80	120				
Hexachloro-1,3-butadiene	1.09	0.0500	1.000	0	109	80	120				
Naphthalene	1.04	0.100	1.000	0	104	80	120				
1,2,3-Trichlorobenzene	1.01	0.0500	1.000	0	101	80	120				
Surr: Dibromofluoromethane	1.19		1.250		94.8	81.9	113				
Surr: Toluene-d8	1.25		1.250		99.9	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.34		1.250		107	87.9	109				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-32175** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/4/2021** RunNo: **67026**
Client ID: **MBLKS** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350109**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0500									
Chloromethane	ND	0.0800									
Vinyl chloride	ND	0.0250									
Bromomethane	ND	0.150									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.120									
1,1-Dichloroethene	ND	0.0600									
Acetone	ND	0.900									
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0300									
Methyl tert-butyl ether (MTBE)	ND	0.0300									
1,1-Dichloroethane	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0250									
(MEK) 2-Butanone	ND	0.450									
Chloroform	ND	0.0250									
1,1,1-Trichloroethane (TCA)	ND	0.0250									
1,1-Dichloropropene	ND	0.0250									
Carbon tetrachloride	ND	0.0750									
1,2-Dichloroethane (EDC)	ND	0.0230									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0250									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0250									
Dibromomethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0800									
Toluene	ND	0.0650									
trans-1,3-Dichloropropylene	ND	0.0500									
Methyl Isobutyl Ketone (MIBK)	ND	0.0750									
1,1,2-Trichloroethane	ND	0.0170									
1,3-Dichloropropane	ND	0.0200									

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-32175** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/4/2021** RunNo: **67026**
Client ID: **MBLKS** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350109**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0400									
Dibromochloromethane	ND	0.0200									
1,2-Dibromoethane (EDB)	ND	0.0200									
methyl n-butyl ketone	ND	0.0600									
Chlorobenzene	ND	0.0250									
1,1,1,2-Tetrachloroethane	ND	0.0200									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0250									
Isopropylbenzene	ND	0.0300									
Bromoform	ND	0.0250									
1,1,2,2-Tetrachloroethane	ND	0.0150									
n-Propylbenzene	ND	0.0300									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0250									
2-Chlorotoluene	ND	0.0300									
4-Chlorotoluene	ND	0.0300									
tert-Butylbenzene	ND	0.0300									
1,2,3-Trichloropropane	ND	0.0250									
1,2,4-Trichlorobenzene	ND	0.0400									
sec-Butylbenzene	ND	0.0300									
4-Isopropyltoluene	ND	0.0300									
1,3-Dichlorobenzene	ND	0.0350									
1,4-Dichlorobenzene	ND	0.0300									
n-Butylbenzene	ND	0.0400									
1,2-Dichlorobenzene	ND	0.0300									
1,2-Dibromo-3-chloropropane	ND	0.0600									
1,2,4-Trimethylbenzene	ND	0.0250									
Hexachloro-1,3-butadiene	ND	0.0500									

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-32175** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/4/2021** RunNo: **67026**
Client ID: **MBLKS** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350109**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.0500									
Surr: Dibromofluoromethane	1.16		1.250		92.8	81.9	113				
Surr: Toluene-d8	1.21		1.250		96.5	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.17		1.250		93.7	87.9	109				

Sample ID: **2104424-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67026**
Client ID: **BATCH** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350085**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0596						0		30	
Chloromethane	ND	0.0953						0		30	
Vinyl chloride	ND	0.0298						0		30	
Bromomethane	ND	0.179						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0596						0		30	
Chloroethane	ND	0.143						0		30	
1,1-Dichloroethene	ND	0.0715						0		30	
Acetone	ND	1.07						0		30	
Methylene chloride	ND	0.0596						0		30	
trans-1,2-Dichloroethene	ND	0.0357						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0357						0		30	
1,1-Dichloroethane	ND	0.0298						0		30	
cis-1,2-Dichloroethene	ND	0.0298						0		30	
(MEK) 2-Butanone	ND	0.536						0		30	
Chloroform	ND	0.0298						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0298						0		30	
1,1-Dichloropropene	ND	0.0298						0		30	
Carbon tetrachloride	ND	0.0893						0		30	
1,2-Dichloroethane (EDC)	ND	0.0274						0		30	
Benzene	ND	0.0238						0		30	

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104424-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67026**
Client ID: **BATCH** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350085**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	ND	0.0298						0		30	
1,2-Dichloropropane	ND	0.0238						0		30	
Bromodichloromethane	ND	0.0298						0		30	
Dibromomethane	ND	0.0238						0		30	
cis-1,3-Dichloropropene	ND	0.0953						0		30	
Toluene	ND	0.0774						0		30	
trans-1,3-Dichloropropylene	ND	0.0596						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0893						0		30	
1,1,2-Trichloroethane	ND	0.0202						0		30	
1,3-Dichloropropane	ND	0.0238						0		30	
Tetrachloroethene (PCE)	ND	0.0476						0		30	
Dibromochloromethane	ND	0.0238						0		30	
1,2-Dibromoethane (EDB)	ND	0.0238						0		30	
methyl n-butyl ketone	ND	0.0715						0		30	
Chlorobenzene	ND	0.0298						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0238						0		30	
Ethylbenzene	ND	0.0298						0		30	
m,p-Xylene	ND	0.0596						0		30	
o-Xylene	ND	0.0298						0		30	
Styrene	ND	0.0298						0		30	
Isopropylbenzene	ND	0.0357						0		30	
Bromoform	ND	0.0298						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0179						0		30	
n-Propylbenzene	ND	0.0357						0		30	
Bromobenzene	ND	0.0357						0		30	
1,3,5-Trimethylbenzene	ND	0.0298						0		30	
2-Chlorotoluene	ND	0.0357						0		30	
4-Chlorotoluene	ND	0.0357						0		30	
tert-Butylbenzene	ND	0.0357						0		30	
1,2,3-Trichloropropane	ND	0.0298						0		30	

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104424-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67026**
Client ID: **BATCH** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350085**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.0476						0		30	
sec-Butylbenzene	ND	0.0357						0		30	
4-Isopropyltoluene	ND	0.0357						0		30	
1,3-Dichlorobenzene	ND	0.0417						0		30	
1,4-Dichlorobenzene	ND	0.0357						0		30	
n-Butylbenzene	ND	0.0476						0		30	
1,2-Dichlorobenzene	ND	0.0357						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0715						0		30	
1,2,4-Trimethylbenzene	ND	0.0298						0		30	
Hexachloro-1,3-butadiene	ND	0.0596						0		30	
Naphthalene	ND	0.119						0		30	
1,2,3-Trichlorobenzene	ND	0.0596						0		30	
Surr: Dibromofluoromethane	1.45		1.489		97.3	81.9	113		0		
Surr: Toluene-d8	1.46		1.489		98.1	82.7	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.40		1.489		94.3	87.9	109		0		

Sample ID: **2104424-003BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67026**
Client ID: **BATCH** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350087**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.456	0.0596	1.192	0	38.2	5.08	187				
Chloromethane	1.02	0.0954	1.192	0	85.2	41.2	147				
Vinyl chloride	0.999	0.0298	1.192	0	83.8	49.9	147				
Bromomethane	1.48	0.179	1.192	0	124	47.1	182				
Trichlorofluoromethane (CFC-11)	1.05	0.0596	1.192	0	87.9	51.7	151				
Chloroethane	0.839	0.143	1.192	0	70.4	47.5	166				
1,1-Dichloroethene	1.32	0.0715	1.192	0	110	61.3	144				
Acetone	4.07	1.07	2.980	0	136	50.2	174				
Methylene chloride	1.27	0.0596	1.192	0	107	75.3	130				
trans-1,2-Dichloroethene	1.17	0.0358	1.192	0	98.5	73.5	130				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104424-003BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67026**
Client ID: **BATCH** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350087**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.26	0.0358	1.192	0	106	73	126				
1,1-Dichloroethane	1.24	0.0298	1.192	0	104	71.8	135				
cis-1,2-Dichloroethene	1.23	0.0298	1.192	0	103	77.5	127				
(MEK) 2-Butanone	3.20	0.536	2.980	0	107	48.6	166				
Chloroform	1.23	0.0298	1.192	0	103	77.3	127				
1,1,1-Trichloroethane (TCA)	1.20	0.0298	1.192	0	101	71.3	131				
1,1-Dichloropropene	1.16	0.0298	1.192	0	97.0	69.8	134				
Carbon tetrachloride	1.16	0.0894	1.192	0	97.4	66.1	133				
1,2-Dichloroethane (EDC)	1.19	0.0274	1.192	0	99.8	73.5	128				
Benzene	1.20	0.0238	1.192	0	101	76.8	129				
Trichloroethene (TCE)	1.20	0.0298	1.192	0	100	70.5	140				
1,2-Dichloropropane	1.19	0.0238	1.192	0	100	74.6	130				
Bromodichloromethane	1.20	0.0298	1.192	0	101	76.2	121				
Dibromomethane	1.22	0.0238	1.192	0	102	78	124				
cis-1,3-Dichloropropene	1.23	0.0954	1.192	0	103	76	120				
Toluene	1.21	0.0775	1.192	0	101	77.8	127				
trans-1,3-Dichloropropylene	1.17	0.0596	1.192	0	98.2	73.5	121				
Methyl Isobutyl Ketone (MIBK)	3.18	0.0894	2.980	0	107	61	139				
1,1,2-Trichloroethane	1.22	0.0203	1.192	0	102	77.7	123				
1,3-Dichloropropane	1.21	0.0238	1.192	0	101	77.4	123				
Tetrachloroethene (PCE)	1.23	0.0477	1.192	0	103	70.7	131				
Dibromochloromethane	1.19	0.0238	1.192	0	100	74.7	120				
1,2-Dibromoethane (EDB)	1.20	0.0238	1.192	0	101	76.1	124				
methyl n-butyl ketone	3.13	0.0715	2.980	0	105	50.9	162				
Chlorobenzene	1.21	0.0298	1.192	0	102	80.4	123				
1,1,1,2-Tetrachloroethane	1.21	0.0238	1.192	0	102	79.5	121				
Ethylbenzene	1.22	0.0298	1.192	0	103	78.7	130				
m,p-Xylene	2.47	0.0596	2.384	0	103	79.3	127				
o-Xylene	1.22	0.0298	1.192	0	102	80.7	124				
Styrene	1.21	0.0298	1.192	0	101	81.9	122				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104424-003BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67026**
Client ID: **BATCH** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350087**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	1.24	0.0358	1.192	0	104	75.7	132				
Bromoform	1.19	0.0298	1.192	0	99.7	74.3	121				
1,1,2,2-Tetrachloroethane	1.16	0.0179	1.192	0	97.5	60.2	136				
n-Propylbenzene	1.26	0.0358	1.192	0	106	76.4	134				
Bromobenzene	1.22	0.0358	1.192	0	102	80.3	122				
1,3,5-Trimethylbenzene	1.28	0.0298	1.192	0	108	79.5	127				
2-Chlorotoluene	1.26	0.0358	1.192	0	106	77.6	131				
4-Chlorotoluene	1.26	0.0358	1.192	0	105	80.2	126				
tert-Butylbenzene	1.26	0.0358	1.192	0	105	75.5	132				
1,2,3-Trichloropropane	1.21	0.0298	1.192	0	101	70.2	126				
1,2,4-Trichlorobenzene	1.18	0.0477	1.192	0	98.7	64.2	142				
sec-Butylbenzene	1.26	0.0358	1.192	0	106	75	133				
4-Isopropyltoluene	1.28	0.0358	1.192	0	107	74.4	133				
1,3-Dichlorobenzene	1.23	0.0417	1.192	0	103	80.7	127				
1,4-Dichlorobenzene	1.24	0.0358	1.192	0	104	81.9	124				
n-Butylbenzene	1.22	0.0477	1.192	0	103	71.5	140				
1,2-Dichlorobenzene	1.25	0.0358	1.192	0	105	83.7	122				
1,2-Dibromo-3-chloropropane	1.15	0.0715	1.192	0	96.3	64.9	130				
1,2,4-Trimethylbenzene	1.29	0.0298	1.192	0	108	79.3	127				
Hexachloro-1,3-butadiene	1.29	0.0596	1.192	0	108	59.2	149				
Naphthalene	1.19	0.119	1.192	0	99.6	44.6	171				
1,2,3-Trichlorobenzene	1.19	0.0596	1.192	0	99.9	52.6	156				
Surr: Dibromofluoromethane	1.47		1.490		98.7	81.9	113				
Surr: Toluene-d8	1.54		1.490		103	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.57		1.490		106	87.9	109				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-32187** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/4/2021** RunNo: **67022**
Client ID: **LCSS** Batch ID: **32187** Analysis Date: **5/4/2021** SeqNo: **1350055**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	2.45	0.0500	1.000	0	245	80	120				S
Chloromethane	1.14	0.0800	1.000	0	114	80	120				
Vinyl chloride	1.30	0.0250	1.000	0	130	80	120				S
Bromomethane	1.16	0.150	1.000	0	116	80	120				
Trichlorofluoromethane (CFC-11)	1.03	0.0500	1.000	0	103	80	120				
Chloroethane	1.32	0.120	1.000	0	132	80	120				S
1,1-Dichloroethene	1.04	0.0600	1.000	0	104	80	120				
Acetone	2.21	0.900	2.500	0	88.3	80	120				
Methylene chloride	1.04	0.0500	1.000	0	104	80	120				
trans-1,2-Dichloroethene	1.01	0.0300	1.000	0	101	80	120				
Methyl tert-butyl ether (MTBE)	1.02	0.0300	1.000	0	102	80	120				
1,1-Dichloroethane	0.992	0.0250	1.000	0	99.2	80	120				
cis-1,2-Dichloroethene	1.00	0.0250	1.000	0	100	80	120				
(MEK) 2-Butanone	2.37	0.450	2.500	0	94.8	80	120				
Chloroform	0.979	0.0250	1.000	0	97.9	80	120				
1,1,1-Trichloroethane (TCA)	0.982	0.0250	1.000	0	98.2	80	120				
1,1-Dichloropropene	0.982	0.0250	1.000	0	98.2	80	120				
Carbon tetrachloride	0.988	0.0750	1.000	0	98.8	80	120				
1,2-Dichloroethane (EDC)	1.00	0.0230	1.000	0	100	80	120				
Benzene	0.994	0.0200	1.000	0	99.4	80	120				
Trichloroethene (TCE)	0.987	0.0250	1.000	0	98.7	80	120				
1,2-Dichloropropane	0.983	0.0200	1.000	0	98.3	80	120				
Bromodichloromethane	0.996	0.0250	1.000	0	99.6	80	120				
Dibromomethane	1.03	0.0200	1.000	0	103	80	120				
cis-1,3-Dichloropropene	0.978	0.0800	1.000	0	97.8	80	120				
Toluene	1.06	0.0650	1.000	0	106	80	120				
trans-1,3-Dichloropropylene	1.01	0.0500	1.000	0	101	80	120				
Methyl Isobutyl Ketone (MIBK)	2.26	0.0750	2.500	0	90.4	80	120				
1,1,2-Trichloroethane	1.03	0.0170	1.000	0	103	80	120				
1,3-Dichloropropane	1.02	0.0200	1.000	0	102	80	120				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-32187** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/4/2021** RunNo: **67022**
Client ID: **LCSS** Batch ID: **32187** Analysis Date: **5/4/2021** SeqNo: **1350055**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	1.00	0.0400	1.000	0	100	80	120				
Dibromochloromethane	1.03	0.0200	1.000	0	103	80	120				
1,2-Dibromoethane (EDB)	1.03	0.0200	1.000	0	103	80	120				
methyl n-butyl ketone	2.39	0.0600	2.500	0	95.7	80	120				
Chlorobenzene	1.04	0.0250	1.000	0	104	80	120				
1,1,1,2-Tetrachloroethane	1.04	0.0200	1.000	0	104	80	120				
Ethylbenzene	1.06	0.0250	1.000	0	106	80	120				
m,p-Xylene	2.09	0.0500	2.000	0	105	80	120				
o-Xylene	1.05	0.0250	1.000	0	105	80	120				
Styrene	1.06	0.0250	1.000	0	106	80	120				
Isopropylbenzene	1.09	0.0300	1.000	0	109	80	120				
Bromoform	1.06	0.0250	1.000	0	106	80	120				
1,1,2,2-Tetrachloroethane	1.03	0.0150	1.000	0	103	80	120				
n-Propylbenzene	1.12	0.0300	1.000	0	112	80	120				
Bromobenzene	1.06	0.0300	1.000	0	106	80	120				
1,3,5-Trimethylbenzene	1.05	0.0250	1.000	0	105	80	120				
2-Chlorotoluene	1.04	0.0300	1.000	0	104	80	120				
4-Chlorotoluene	1.03	0.0300	1.000	0	103	80	120				
tert-Butylbenzene	1.03	0.0300	1.000	0	103	80	120				
1,2,3-Trichloropropane	1.05	0.0250	1.000	0	105	80	120				
1,2,4-Trichlorobenzene	1.06	0.0400	1.000	0	106	80	120				
sec-Butylbenzene	1.09	0.0300	1.000	0	109	80	120				
4-Isopropyltoluene	1.07	0.0300	1.000	0	107	80	120				
1,3-Dichlorobenzene	1.06	0.0350	1.000	0	106	80	120				
1,4-Dichlorobenzene	1.06	0.0300	1.000	0	106	80	120				
n-Butylbenzene	1.05	0.0400	1.000	0	105	80	120				
1,2-Dichlorobenzene	1.08	0.0300	1.000	0	108	80	120				
1,2-Dibromo-3-chloropropane	1.02	0.0600	1.000	0	102	80	120				
1,2,4-Trimethylbenzene	1.06	0.0250	1.000	0	106	80	120				
Hexachloro-1,3-butadiene	1.02	0.0500	1.000	0	102	80	120				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-32187** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/4/2021** RunNo: **67022**
Client ID: **LCSS** Batch ID: **32187** Analysis Date: **5/4/2021** SeqNo: **1350055**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.04	0.100	1.000	0	104	80	120				
1,2,3-Trichlorobenzene	1.03	0.0500	1.000	0	103	80	120				
Surr: Dibromofluoromethane	1.23		1.250		98.7	81.9	113				
Surr: Toluene-d8	1.20		1.250		96.1	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.29		1.250		103	87.9	109				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **2104433-009BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67026**
Client ID: **B95-AB-05-14** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350097**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0367						0		30	
Chloromethane	ND	0.0587						0		30	
Vinyl chloride	ND	0.0183						0		30	
Bromomethane	ND	0.110						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0367						0		30	
Chloroethane	ND	0.0880						0		30	
1,1-Dichloroethene	ND	0.0440						0		30	
Acetone	ND	0.660						0		30	
Methylene chloride	ND	0.0147						0		30	
trans-1,2-Dichloroethene	ND	0.0220						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0220						0		30	
1,1-Dichloroethane	ND	0.0183						0		30	
cis-1,2-Dichloroethene	ND	0.0183						0		30	
(MEK) 2-Butanone	ND	0.330						0		30	
Chloroform	ND	0.0183						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0183						0		30	
1,1-Dichloropropene	ND	0.0183						0		30	
Carbon tetrachloride	ND	0.0550						0		30	
1,2-Dichloroethane (EDC)	ND	0.0169						0		30	

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104433-009BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67026**
Client ID: **B95-AB-05-14** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350097**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0147						0		30	
Trichloroethene (TCE)	ND	0.0183						0		30	
1,2-Dichloropropane	ND	0.0147						0		30	
Bromodichloromethane	ND	0.0183						0		30	
Dibromomethane	ND	0.0147						0		30	
cis-1,3-Dichloropropene	ND	0.0587						0		30	
Toluene	ND	0.0477						0		30	
trans-1,3-Dichloropropylene	ND	0.0367						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0550						0		30	
1,1,2-Trichloroethane	ND	0.0125						0		30	
1,3-Dichloropropane	ND	0.0147						0		30	
Tetrachloroethene (PCE)	ND	0.0293						0		30	
Dibromochloromethane	ND	0.0147						0		30	
1,2-Dibromoethane (EDB)	ND	0.0147						0		30	
methyl n-butyl ketone	ND	0.0440						0		30	
Chlorobenzene	ND	0.0183						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0147						0		30	
Ethylbenzene	ND	0.0183						0		30	
m,p-Xylene	ND	0.0367						0		30	
o-Xylene	ND	0.0183						0		30	
Styrene	ND	0.0183						0		30	
Isopropylbenzene	ND	0.0220						0		30	
Bromoform	ND	0.0183						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0110						0		30	
n-Propylbenzene	ND	0.0220						0		30	
Bromobenzene	ND	0.0220						0		30	
1,3,5-Trimethylbenzene	ND	0.0183						0		30	
2-Chlorotoluene	ND	0.0220						0		30	
4-Chlorotoluene	ND	0.0220						0		30	
tert-Butylbenzene	ND	0.0220						0		30	

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104433-009BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67026**
Client ID: **B95-AB-05-14** Batch ID: **32175** Analysis Date: **5/4/2021** SeqNo: **1350097**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	0.0183						0		30	
1,2,4-Trichlorobenzene	ND	0.0293						0		30	
sec-Butylbenzene	ND	0.0220						0		30	
4-Isopropyltoluene	ND	0.0220						0		30	
1,3-Dichlorobenzene	ND	0.0257						0		30	
1,4-Dichlorobenzene	ND	0.0220						0		30	
n-Butylbenzene	ND	0.0293						0		30	
1,2-Dichlorobenzene	ND	0.0220						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0440						0		30	
1,2,4-Trimethylbenzene	ND	0.0183						0		30	
Hexachloro-1,3-butadiene	ND	0.0367						0		30	
Naphthalene	ND	0.0733						0		30	
1,2,3-Trichlorobenzene	ND	0.0367						0		30	
Surr: Dibromofluoromethane	0.873		0.9165		95.3	81.9	113		0		
Surr: Toluene-d8	0.892		0.9165		97.4	82.7	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.874		0.9165		95.3	87.9	109		0		

Sample ID: **MB-32187** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/4/2021** RunNo: **67022**
Client ID: **MBLKS** Batch ID: **32187** Analysis Date: **5/4/2021** SeqNo: **1350032**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0500									
Chloromethane	ND	0.0800									
Vinyl chloride	ND	0.0250									
Bromomethane	ND	0.150									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.120									
1,1-Dichloroethene	ND	0.0600									
Acetone	ND	0.900									
Methylene chloride	ND	0.0200									

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-32187** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/4/2021** RunNo: **67022**
Client ID: **MBLKS** Batch ID: **32187** Analysis Date: **5/4/2021** SeqNo: **1350032**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.0300									
Methyl tert-butyl ether (MTBE)	ND	0.0300									
1,1-Dichloroethane	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0250									
(MEK) 2-Butanone	ND	0.450									
Chloroform	ND	0.0250									
1,1,1-Trichloroethane (TCA)	ND	0.0250									
1,1-Dichloropropene	ND	0.0250									
Carbon tetrachloride	ND	0.0750									
1,2-Dichloroethane (EDC)	ND	0.0230									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0250									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0250									
Dibromomethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0800									
Toluene	ND	0.0650									
trans-1,3-Dichloropropylene	ND	0.0500									
Methyl Isobutyl Ketone (MIBK)	ND	0.0750									
1,1,2-Trichloroethane	ND	0.0170									
1,3-Dichloropropane	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Dibromochloromethane	ND	0.0200									
1,2-Dibromoethane (EDB)	ND	0.0200									
methyl n-butyl ketone	ND	0.0600									
Chlorobenzene	ND	0.0250									
1,1,1,2-Tetrachloroethane	ND	0.0200									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-32187** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/4/2021** RunNo: **67022**
Client ID: **MBLKS** Batch ID: **32187** Analysis Date: **5/4/2021** SeqNo: **1350032**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	ND	0.0250									
Isopropylbenzene	ND	0.0300									
Bromoform	ND	0.0250									
1,1,2,2-Tetrachloroethane	ND	0.0150									Q
n-Propylbenzene	ND	0.0300									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0250									
2-Chlorotoluene	ND	0.0300									
4-Chlorotoluene	ND	0.0300									
tert-Butylbenzene	ND	0.0300									
1,2,3-Trichloropropane	ND	0.0250									
1,2,4-Trichlorobenzene	ND	0.0400									
sec-Butylbenzene	ND	0.0300									
4-Isopropyltoluene	ND	0.0300									
1,3-Dichlorobenzene	ND	0.0350									
1,4-Dichlorobenzene	ND	0.0300									
n-Butylbenzene	ND	0.0400									
1,2-Dichlorobenzene	ND	0.0300									
1,2-Dibromo-3-chloropropane	ND	0.0600									
1,2,4-Trimethylbenzene	ND	0.0250									
Hexachloro-1,3-butadiene	ND	0.0500									
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.0500									
Surr: Dibromofluoromethane	1.16		1.250		93.2	81.9	113				
Surr: Toluene-d8	1.26		1.250		101	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	1.17		1.250		93.9	87.9	109				

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104433-029BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67022**
Client ID: **B95-AB-02-12.5** Batch ID: **32187** Analysis Date: **5/4/2021** SeqNo: **1350034**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0349						0		30	
Chloromethane	ND	0.0558						0		30	
Vinyl chloride	ND	0.0175						0		30	
Bromomethane	ND	0.105						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0349						0		30	
Chloroethane	ND	0.0838						0		30	
1,1-Dichloroethene	ND	0.0419						0		30	
Acetone	ND	0.628						0		30	
Methylene chloride	0.0344	0.0140						0.03472	0.883	30	
trans-1,2-Dichloroethene	ND	0.0209						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0209						0		30	
1,1-Dichloroethane	ND	0.0175						0		30	
cis-1,2-Dichloroethene	ND	0.0175						0		30	
(MEK) 2-Butanone	ND	0.314						0		30	
Chloroform	ND	0.0175						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0175						0		30	
1,1-Dichloropropene	ND	0.0175						0		30	
Carbon tetrachloride	ND	0.0524						0		30	
1,2-Dichloroethane (EDC)	ND	0.0161						0		30	
Benzene	ND	0.0140						0		30	
Trichloroethene (TCE)	ND	0.0175						0		30	
1,2-Dichloropropane	ND	0.0140						0		30	
Bromodichloromethane	ND	0.0175						0		30	
Dibromomethane	ND	0.0140						0		30	
cis-1,3-Dichloropropene	ND	0.0558						0		30	
Toluene	ND	0.0454						0		30	
trans-1,3-Dichloropropylene	ND	0.0349						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0524						0		30	
1,1,2-Trichloroethane	ND	0.0119						0		30	
1,3-Dichloropropane	ND	0.0140						0		30	

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104433-029BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67022**
Client ID: **B95-AB-02-12.5** Batch ID: **32187** Analysis Date: **5/4/2021** SeqNo: **1350034**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0279						0		30	
Dibromochloromethane	ND	0.0140						0		30	
1,2-Dibromoethane (EDB)	ND	0.0140						0		30	
methyl n-butyl ketone	ND	0.0419						0		30	
Chlorobenzene	ND	0.0175						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0140						0		30	
Ethylbenzene	ND	0.0175						0		30	
m,p-Xylene	ND	0.0349						0		30	
o-Xylene	ND	0.0175						0		30	
Styrene	ND	0.0175						0		30	
Isopropylbenzene	ND	0.0209						0		30	
Bromoform	ND	0.0175						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0105						0		30	Q
n-Propylbenzene	ND	0.0209						0		30	
Bromobenzene	ND	0.0209						0		30	
1,3,5-Trimethylbenzene	ND	0.0175						0		30	
2-Chlorotoluene	ND	0.0209						0		30	
4-Chlorotoluene	ND	0.0209						0		30	
tert-Butylbenzene	ND	0.0209						0		30	
1,2,3-Trichloropropane	ND	0.0175						0		30	
1,2,4-Trichlorobenzene	ND	0.0279						0		30	
sec-Butylbenzene	ND	0.0209						0		30	
4-Isopropyltoluene	ND	0.0209						0		30	
1,3-Dichlorobenzene	ND	0.0244						0		30	
1,4-Dichlorobenzene	ND	0.0209						0		30	
n-Butylbenzene	ND	0.0279						0		30	
1,2-Dichlorobenzene	ND	0.0209						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0419						0		30	
1,2,4-Trimethylbenzene	ND	0.0175						0		30	
Hexachloro-1,3-butadiene	ND	0.0349						0		30	

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104433-029BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67022**
Client ID: **B95-AB-02-12.5** Batch ID: **32187** Analysis Date: **5/4/2021** SeqNo: **1350034**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.0698						0		30	
1,2,3-Trichlorobenzene	ND	0.0349						0		30	
Surr: Dibromofluoromethane	0.774		0.8725		88.8	81.9	113		0		
Surr: Toluene-d8	0.903		0.8725		104	82.7	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.834		0.8725		95.5	87.9	109		0		

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample ID: **2104433-033BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67022**
Client ID: **B95-AB-03-7** Batch ID: **32187** Analysis Date: **5/5/2021** SeqNo: **1350037**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0337						0		30	
Chloromethane	ND	0.0539						0		30	
Vinyl chloride	ND	0.0168						0		30	
Bromomethane	ND	0.101						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0337						0		30	
Chloroethane	ND	0.0809						0		30	
1,1-Dichloroethene	ND	0.0404						0		30	
Acetone	ND	0.607						0		30	
Methylene chloride	ND	0.0135						0		30	
trans-1,2-Dichloroethene	ND	0.0202						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0202						0		30	
1,1-Dichloroethane	ND	0.0168						0		30	
cis-1,2-Dichloroethene	ND	0.0168						0		30	
(MEK) 2-Butanone	ND	0.303						0		30	
Chloroform	ND	0.0168						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0168						0		30	
1,1-Dichloropropene	ND	0.0168						0		30	
Carbon tetrachloride	ND	0.0505						0		30	
1,2-Dichloroethane (EDC)	ND	0.0155						0		30	

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104433-033BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67022**
Client ID: **B95-AB-03-7** Batch ID: **32187** Analysis Date: **5/5/2021** SeqNo: **1350037**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0135						0		30	
Trichloroethene (TCE)	ND	0.0168						0		30	
1,2-Dichloropropane	ND	0.0135						0		30	
Bromodichloromethane	ND	0.0168						0		30	
Dibromomethane	ND	0.0135						0		30	
cis-1,3-Dichloropropene	ND	0.0539						0		30	
Toluene	ND	0.0438						0		30	
trans-1,3-Dichloropropylene	ND	0.0337						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0505						0		30	
1,1,2-Trichloroethane	ND	0.0115						0		30	
1,3-Dichloropropane	ND	0.0135						0		30	
Tetrachloroethene (PCE)	ND	0.0270						0		30	
Dibromochloromethane	ND	0.0135						0		30	
1,2-Dibromoethane (EDB)	ND	0.0135						0		30	
methyl n-butyl ketone	ND	0.0404						0		30	
Chlorobenzene	ND	0.0168						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0135						0		30	
Ethylbenzene	ND	0.0168						0		30	
m,p-Xylene	ND	0.0337						0		30	
o-Xylene	ND	0.0168						0		30	
Styrene	ND	0.0168						0		30	
Isopropylbenzene	ND	0.0202						0		30	
Bromoform	ND	0.0168						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0101						0		30	Q
n-Propylbenzene	ND	0.0202						0		30	
Bromobenzene	ND	0.0202						0		30	
1,3,5-Trimethylbenzene	ND	0.0168						0		30	
2-Chlorotoluene	ND	0.0202						0		30	
4-Chlorotoluene	ND	0.0202						0		30	
tert-Butylbenzene	ND	0.0202						0		30	

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104433-033BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67022**
Client ID: **B95-AB-03-7** Batch ID: **32187** Analysis Date: **5/5/2021** SeqNo: **1350037**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	0.0168						0		30	
1,2,4-Trichlorobenzene	ND	0.0270						0		30	
sec-Butylbenzene	ND	0.0202						0		30	
4-Isopropyltoluene	ND	0.0202						0		30	
1,3-Dichlorobenzene	ND	0.0236						0		30	
1,4-Dichlorobenzene	ND	0.0202						0		30	
n-Butylbenzene	ND	0.0270						0		30	
1,2-Dichlorobenzene	ND	0.0202						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0404						0		30	
1,2,4-Trimethylbenzene	ND	0.0168						0		30	
Hexachloro-1,3-butadiene	ND	0.0337						0		30	
Naphthalene	ND	0.0674						0		30	
1,2,3-Trichlorobenzene	ND	0.0337						0		30	
Surr: Dibromofluoromethane	0.741		0.8424		88.0	81.9	113		0		
Surr: Toluene-d8	0.862		0.8424		102	82.7	115		0		
Surr: 1-Bromo-4-fluorobenzene	0.813		0.8424		96.5	87.9	109		0		

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample ID: **2104433-030BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67022**
Client ID: **B95-AB-02-21.5** Batch ID: **32187** Analysis Date: **5/5/2021** SeqNo: **1350048**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.466	0.0308	0.6168	0	75.6	5.08	187				
Chloromethane	0.535	0.0493	0.6168	0	86.7	41.2	147				
Vinyl chloride	0.529	0.0154	0.6168	0	85.8	49.9	147				
Bromomethane	0.631	0.0925	0.6168	0	102	47.1	182				
Trichlorofluoromethane (CFC-11)	0.556	0.0308	0.6168	0	90.1	51.7	151				
Chloroethane	0.632	0.0740	0.6168	0	103	47.5	166				
1,1-Dichloroethene	0.570	0.0370	0.6168	0	92.5	61.3	144				
Acetone	1.51	0.555	1.542	0	98.1	50.2	174				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104433-030BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67022**
Client ID: **B95-AB-02-21.5** Batch ID: **32187** Analysis Date: **5/5/2021** SeqNo: **1350048**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	0.673	0.0123	0.6168	0.02790	105	75.3	130				
trans-1,2-Dichloroethene	0.575	0.0185	0.6168	0	93.2	73.5	130				
Methyl tert-butyl ether (MTBE)	0.641	0.0185	0.6168	0	104	73	126				
1,1-Dichloroethane	0.601	0.0154	0.6168	0	97.4	71.8	135				
cis-1,2-Dichloroethene	0.619	0.0154	0.6168	0	100	77.5	127				
(MEK) 2-Butanone	1.34	0.278	1.542	0	86.8	48.6	166				
Chloroform	0.623	0.0154	0.6168	0	101	77.3	127				
1,1,1-Trichloroethane (TCA)	0.576	0.0154	0.6168	0	93.4	71.3	131				
1,1-Dichloropropene	0.559	0.0154	0.6168	0	90.7	69.8	134				
Carbon tetrachloride	0.561	0.0463	0.6168	0	90.9	66.1	133				
1,2-Dichloroethane (EDC)	0.653	0.0142	0.6168	0	106	73.5	128				
Benzene	0.601	0.0123	0.6168	0	97.5	76.8	129				
Trichloroethene (TCE)	0.725	0.0154	0.6168	0	117	70.5	140				
1,2-Dichloropropane	0.629	0.0123	0.6168	0	102	74.6	130				
Bromodichloromethane	0.642	0.0154	0.6168	0	104	76.2	121				
Dibromomethane	0.661	0.0123	0.6168	0	107	78	124				
cis-1,3-Dichloropropene	0.604	0.0493	0.6168	0	97.9	76	120				
Toluene	0.628	0.0401	0.6168	0	102	77.8	127				
trans-1,3-Dichloropropylene	0.608	0.0308	0.6168	0	98.6	73.5	121				
Methyl Isobutyl Ketone (MIBK)	1.43	0.0463	1.542	0	92.9	61	139				
1,1,2-Trichloroethane	0.657	0.0105	0.6168	0	106	77.7	123				
1,3-Dichloropropane	0.660	0.0123	0.6168	0	107	77.4	123				
Tetrachloroethene (PCE)	0.578	0.0247	0.6168	0	93.8	70.7	131				
Dibromochloromethane	0.644	0.0123	0.6168	0	104	74.7	120				
1,2-Dibromoethane (EDB)	0.643	0.0123	0.6168	0	104	76.1	124				
methyl n-butyl ketone	1.48	0.0370	1.542	0	96.2	50.9	162				
Chlorobenzene	0.529	0.0154	0.6168	0	85.7	80.4	123				
1,1,1,2-Tetrachloroethane	0.538	0.0123	0.6168	0	87.2	79.5	121				
Ethylbenzene	0.519	0.0154	0.6168	0	84.1	78.7	130				
m,p-Xylene	1.02	0.0308	1.234	0	82.6	79.3	127				

Work Order: 2104433
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2104433-030BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/4/2021** RunNo: **67022**
Client ID: **B95-AB-02-21.5** Batch ID: **32187** Analysis Date: **5/5/2021** SeqNo: **1350048**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	0.531	0.0154	0.6168	0	86.1	80.7	124				
Styrene	0.547	0.0154	0.6168	0	88.7	81.9	122				
Isopropylbenzene	0.524	0.0185	0.6168	0	84.9	75.7	132				
Bromoform	0.502	0.0154	0.6168	0	81.4	74.3	121				
1,1,2,2-Tetrachloroethane	0.329	0.00925	0.6168	0	53.3	60.2	136				S
n-Propylbenzene	0.536	0.0185	0.6168	0	86.9	76.4	134				
Bromobenzene	0.555	0.0185	0.6168	0	89.9	80.3	122				
1,3,5-Trimethylbenzene	0.516	0.0154	0.6168	0	83.6	79.5	127				
2-Chlorotoluene	0.520	0.0185	0.6168	0	84.2	77.6	131				
4-Chlorotoluene	0.523	0.0185	0.6168	0	84.7	80.2	126				
tert-Butylbenzene	0.506	0.0185	0.6168	0	82.1	75.5	132				
1,2,3-Trichloropropane	0.491	0.0154	0.6168	0	79.6	70.2	126				
1,2,4-Trichlorobenzene	0.515	0.0247	0.6168	0	83.5	64.2	142				
sec-Butylbenzene	0.531	0.0185	0.6168	0	86.1	75	133				
4-Isopropyltoluene	0.523	0.0185	0.6168	0	84.9	74.4	133				
1,3-Dichlorobenzene	0.542	0.0216	0.6168	0	87.9	80.7	127				
1,4-Dichlorobenzene	0.546	0.0185	0.6168	0	88.6	81.9	124				
n-Butylbenzene	0.500	0.0247	0.6168	0	81.1	71.5	140				
1,2-Dichlorobenzene	0.550	0.0185	0.6168	0	89.1	83.7	122				
1,2-Dibromo-3-chloropropane	0.441	0.0370	0.6168	0	71.5	64.9	130				
1,2,4-Trimethylbenzene	0.533	0.0154	0.6168	0	86.3	79.3	127				
Hexachloro-1,3-butadiene	0.472	0.0308	0.6168	0	76.6	59.2	149				
Naphthalene	0.493	0.0617	0.6168	0	79.9	44.6	171				
1,2,3-Trichlorobenzene	0.477	0.0308	0.6168	0	77.4	52.6	156				
Surr: Dibromofluoromethane	0.916		0.7710		119	81.9	113				S
Surr: Toluene-d8	0.878		0.7710		114	82.7	115				
Surr: 1-Bromo-4-fluorobenzene	0.817		0.7710		106	87.9	109				

NOTES:
S - Outlying spike recovery(ies) observed.
S - Outlying surrogate recovery(ies) observed.

Sample Log-In Check List

Client Name:	**AC**	Work Order Number:	**2104433**
Logged by:	**Gabrielle Coeuille**	Date Received:	**4/30/2021 11:43:00 AM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

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:	Sam Adlington	Date:	5/14/2021
By Whom:	Clare Griggs	Via:	☑ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:	Hold times for add analyses.		
Client Instructions:	Proceed despite hold times.		

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	2.6
Sample 2	1.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

SAMPLE CHAIN OF CUSTODY

2104433

Report To Sam Adlington
Company Aspect
Address 710 2nd Ave, Ste 550
City, State, ZIP Seattle, WA, 98104
Phone 206 788 7557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) B Cem

PROJECT NAME: Swedish Block 95
PO #: 200482

REMARKS
Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
☒ Standard turnaround
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Archive samples
☐ Other
Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 Metals	HOLD			Notes
B95-AB-08-3.5		4/28/21	1320	soil	4									X			
B95-AB-08-6.5		↓	1345	↓	↓	X	X			X	X		X				
B95-AB-08-9		↓	1350	↓	↓	X	X			X	X		X				
B95-AB-08-12		↓	1355	↓	↓									X			
B95-AB-08-18		↓	1405	↓	↓	X	X			X	X		X				
B95-AB-08-22.5		↓	1410	↓	↓									X			
B95-AB-05-7		↓	1050	↓	↓	X	X			X	X		X				
B95-AB-05-9.5		↓	1055	↓	↓									X			
B95-AB-05-14		↓	1140	↓	↓	X	X			X	X		X				
B95-AB-05-17.5		↓	1145	↓	↓												

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	[signature]	Oliver Kroll	FAI	4/30/21	1143
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104433

Report To Sam Adlington

Company Aspect

Address 710 2nd Ave, Ste 550

City, State, ZIP Seattle, WA 98104

Phone 206 788 7557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) B Cu, Rachel

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS: Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- X Standard turnaround
- RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- Archive samples
- Other
- Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 Metals	HOLD			Notes
B95-AB-05-22		4/28/21	1155	Soil	4	X	X			X	X		X				
B95-AB-04-2		↓	1500	↓	↓	X	X			X	X		X				
B95-AB-04-4			1505											X			
B95-AB-04-6.5			1510											X			
B95-AB-04-8.5			1515											X			
B95-AB-04-12.5			1525			X	X			X	X						
B95-AB-04-16			1530											X			
B95-AB-04-22.5		↓	1600			X	X			X	X						
B95-AB-01-2.5		4/29/21	~~0950~~ 1050 RC											X			
B95-AB-01-5		↓	~~0955~~ 1055 RC	↓	↓									X			

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	Oliver	Oliver Kron	FAI	4/30/21	1143
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104433

Report To Sam Adlington

Company Aspect Consulting

Address 710 2nd Ave Ste 550

City, State, ZIP Seattle, WA 98104

Phone 206 788 7557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) Rachel

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- X Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 metals	HOLD			Notes
~~AB~~ B95-AB-01-8.5		4/29/21	1057	50:1	5	X	X			X	X		X				
B95-AB-01-11		↓	1100	↓	↓	X	X			X	X		X				
B95-AB-01-14.5		↓	1127	↓	↓	X	X			X	X		X				
B95-AB-01-22.5		↓	1130	↓	↓									X			
B95-AB-02-2.5		↓	0940	↓	↓									X			
B95-AB-02-5		↓	0945	↓	↓	X	X			X	X		X				
B95-AB-02-7.5		↓	0950	↓	↓									X			
B95-AB-02-10		↓	0955	↓	↓									X			
B95-AB-02-12.5		↓	0959	↓	↓	X	X			X	X		X				
B95-AB-02-17.5		↓	1010	↓	↓												

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Connwell	Aspect	4/30/21	1115
Received by:	[illegible]	Oliver Hou	FAI	4/30/21	1115
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104483

Page # 4 of 6

Report To ~~Asp~~ RC Sam Adlington

Company Aspect Consulting

Address 710 2nd Ave Ste 550

City, State, ZIP Seattle, WA 98104

Phone 2067887557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) Rachel C

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- X Standard turnaround
- RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- Archive samples
- Other
- Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 Metals	HOLD			Notes
B95-AB-02-21.5		4/29/21	1030	soil	5	X	X			X	X		X				
B95-AB-03-2.5		↓	0840	↓	↓									X			
B95-AB-03-4.5		↓	0844	↓	↓									X			
B95-AB-03-7		↓	~~0850~~ RC	↓	↓	X	X			X	X		X				time 0848
B95-AB-03-12.5		↓	0905	↓	↓									X			
B95-AB-03-15		↓	0910	↓	↓									X			
B95-AB-03-22.5		↓	0932	↓	↓	X	X			X	X		X				
B95-AB-03-10		↓	0850	↓	↓	X	X			X	X		X				
B95-AB-06-6.5		↓	1139	↓	↓	X	X			X	X		X				
B95-AB-06-13		↓	1200	↓	↓	X	X			X	X		X				

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	[illegible]	Oliver Rau	FAI	4/30/21	1143
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104433

Page # 5 of 6

Report To: Sam Adlington
Company: Aspect Consulting
Address: 710 2nd Ave Ste 550
City, State, ZIP: Seattle, WA 98104
Phone: 2067887557 Email: sadlington@aspectconsulting.com

SAMPLERS (signature): Rachel C

PROJECT NAME	PO #
Swedish Block 95	200482
REMARKS	INVOICE TO
Project specific RLs? - Yes / No	

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 metals	HOLD			Notes
B95-AB-06-15.5		1203	4/29/21	Soil	5									X			
B95-AB-06-18		1210												X			
B95-AB-06-20		1215				X	X			X	X		X				
B95-AB-06-23		1230												X			
B95-AB-07-4		1324				X	X			X	X		X				
B95-AB-07-10		1333												X			
B95-AB-07-13		1338												X			
B95-AB-07-16.5		1342				X	X			X	X		X				
B95-AB-07-19		1400												X			
B95-AB-07-23		1405				X	X			X	X		X				

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	[illegible]	Oliver Hou	FAI	4/30/21	1143
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104433

Report To Sam Adlington

Company Aspect

Address 710 2nd Ave Ste 550

City, State, ZIP Seattle, WA 98104

Phone 206 788 7557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) Rachel C

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME

X Standard turnaround

RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

Archive samples

Other

Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 Metals	HOLD			Notes
B95-AB-09-4.5-1		4/29/21	1505	Soil	5	X	X			X	X		X				
B95-AB-09-4.5-2		↓	1515	↓	↓	X	X			X	X		X				

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	Oliver	Oliver Kron	FAI	4/30/21	1143
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104433

Report To Sam Adlington
Company Aspect
Address 710 2nd Ave, Ste 550
City, State, ZIP Seattle, WA, 98104
Phone 206 788 7557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) B Cem

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

Edits per SA 4/30/21- gac

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 Metals	HOLD			Notes
B95-AB-08-3.5		4/28/21	1320	soil	4									X			
B95-AB-08-6.5			1345			X	X			X	X		X				
B95-AB-08-9			1350			X	X			X	X		X				
B95-AB-08-12			1355											X			
B95-AB-08-18			1405			X	X			X	X		X				
B95-AB-08-22.5			1410											X			
B95-AB-05-7			1050			X	X			X	X		X				
B95-AB-05-9.5			1055											X			
B95-AB-05-14			1140			X	X			X	X		X				
B95-AB-05-17.5			1145														

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	[signature]	Oliver Kroll	FAI	4/30/21	1143
Relinquished by:					
Received by:					

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3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

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Report To Sam Adlington

Company Aspect

Address 710 2nd Ave, Ste 550

City, State, ZIP Seattle, WA 98104

Phone 206 788 7557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) B Cu, Rachel

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS: Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- X Standard turnaround
- RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- Archive samples
- Other
- Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 Metals	HOLD			Notes
B95-AB-05-22		4/28/21	1155	Soil	4	X	X			X	X		X				
B95-AB-04-2		↓	1500	↓	↓	X	X			X	X		X				
B95-AB-04-4		↓	1505	↓	↓									X			
B95-AB-04-6.5		↓	1510	↓	↓									X			
B95-AB-04-8.5		↓	1515	↓	↓									X			
B95-AB-04-12.5		↓	1525	↓	↓	X	X			X	X						
B95-AB-04-16		↓	1530	↓	↓									X			
B95-AB-04-22.5		↓	1600	↓	↓	X	X			X	X						
B95-AB-01-2.5		4/29/21	~~0950~~ 1050 RC	↓	↓									X			
B95-AB-01-5		↓	~~0955~~ 1055 RC	↓	↓									X			

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel C	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	Oliver	Oliver Kron	FAI	4/30/21	1143
Relinquished by:					
Received by:					

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3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

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Report To Sam Adlington

Company Aspect Consulting

Address 710 2nd Ave Ste 550

City, State, ZIP Seattle, WA 98104

Phone 206 788 7557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) Rachel

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- X Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 metals	HOLD			Notes
~~AB~~ B95-AB-01-8.5		4/29/21	1057	50:1	5	X	X			X	X		X				
B95-AB-01-11		↓	1100	↓	↓	X	X			X	X		X				
B95-AB-01-14.5		↓	1127	↓	↓	X	X			X	X		X				
B95-AB-01-22.5		↓	1130	↓	↓									X			
B95-AB-02-2.5		↓	0940	↓	↓									X			
B95-AB-02-5		↓	0945	↓	↓	X	X			X	X		X				
B95-AB-02-7.5		↓	0950	↓	↓									X			
B95-AB-02-10		↓	0955	↓	↓									X			
B95-AB-02-12.5		↓	0959	↓	↓	X	X			X	X		X				
~~B95-AB-02-17.5~~		↓	~~1010~~	↓	↓												

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Connwell	Aspect	4/30/21	1115
Received by:	[illegible]	Oliver Hou	FAI	4/30/21	1115
Relinquished by:					
Received by:					

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Seattle, WA 98119-2029
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SAMPLE CHAIN OF CUSTODY

2104483

Page # 4 of 6

Report To ~~Asp~~ RC Sam Adlington

Company Aspect Consulting

Address 710 2nd Ave Ste 550

City, State, ZIP Seattle, WA 98104

Phone 2067887557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) Rachel C

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 Metals	HOLD			Notes
B95-AB-02-21.5		4/29/21	1030	soil	5	X	X			X	X		X				
B95-AB-03-2.5		↓	0840	↓	↓									X			
B95-AB-03-4.5		↓	0844	↓	↓									X			
B95-AB-03-7		↓	~~0850~~ RC	↓	↓	X	X			X	X		X				time 0848
B95-AB-03-12.5		↓	0905	↓	↓									X			
B95-AB-03-15		↓	0910	↓	↓									X			
B95-AB-03-22.5		↓	0932	↓	↓	X	X			X	X		X				
B95-AB-03-10		↓	0850	↓	↓	X	X			X	X		X				
B95-AB-06-6.5		↓	1139	↓	↓	X	X			X	X		X				
B95-AB-06-13		↓	1200	↓	↓	X	X			X	X		X				

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	[illegible]	Oliver Rau	FAI	4/30/21	1143
Relinquished by:					
Received by:					

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3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104433

Page # 5 of 6

Report To: Sam Adlington
Company: Aspect Consulting
Address: 710 2nd Ave Ste 550
City, State, ZIP: Seattle, WA 98104
Phone: 2067887557 Email: sadlington@aspectconsulting.com

SAMPLERS (signature): Rachel C

PROJECT NAME	PO #
Swedish Block 95	200482
REMARKS	INVOICE TO
Project specific RLs? - Yes / No	

TURNAROUND TIME
- X Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 metals	HOLD			Notes
B95-AB-06-15.5		1203	4/29/21	Soil	5									X			
B95-AB-06-18		1210												X			
B95-AB-06-20		1215				X	X			X	X		X				
B95-AB-06-23		1230												X			
B95-AB-07-4		1324				X	X			X	X		X				
B95-AB-07-10		1333												X			
B95-AB-07-13		1338												X			
B95-AB-07-16.5		1342				X	X			X	X		X				
B95-AB-07-19		1400												X			
B95-AB-07-23		1405				X	X			X	X		X				

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	[illegible]	Olive Hou	FAI	4/30/21	1143
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104433

Page # 6 of 6

Report To Sam Adlington

Company Aspect

Address 710 2nd Ave Ste 550

City, State, ZIP Seattle, WA 98104

Phone 206 788 7557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) Rachel C

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME

X Standard turnaround

RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

Archive samples

Other

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 Metals	HOLD			Notes
B95-AB-09-4.5-1		4/29/21	1505	Soil	5	X	X			X	X		X				
B95-AB-09-4.5-2		↓	1515	↓	↓	X	X			X	X		X				

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	Oliver	Oliver Kron	FAI	4/30/21	1143
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104433

Report To Sam Adlington
Company Aspect
Address 710 2nd Ave, Ste 550
City, State, ZIP Seattle, WA, 98104
Phone 206 788 7557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) B Cem

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

Edits per SA 4/30/21- gac

Edits per SA 5/4/21- gac

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 Metals	HOLD			Notes
B95-AB-08-3.5		4/28/21	1320	soil	4									X			
B95-AB-08-6.5			1345			X	X			X	X		X				
B95-AB-08-9			1350			X	X			X	X		X				
B95-AB-08-12			1355											X			
B95-AB-08-18			1405			X	X			X	X		X				
B95-AB-08-22.5			1410											X			
B95-AB-05-7			1050			X	X			X	X		X				
B95-AB-05-9.5			1055											X			
B95-AB-05-14			1140			X	X			X	X		X				
B95-AB-05-17.5			1145														

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	[signature]	Oliver Kroll	FAI	4/30/21	1143
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104433

Report To Sam Adlington

Company Aspect

Address 710 2nd Ave, Ste 550

City, State, ZIP Seattle, WA 98104

Phone 206 788 7557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) B Cu, Rachel

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS: Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- X Standard turnaround
- RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- Archive samples
- Other
- Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 Metals	HOLD			Notes
B95-AB-05-22		4/28/21	1155	Soil	4	X	X			X	X		X				
B95-AB-04-2		↓	1500	↓	↓	X	X			X	X		X				
B95-AB-04-4			1505											X			
B95-AB-04-6.5			1510											X			
B95-AB-04-8.5			1515											X			
B95-AB-04-12.5			1525			X	X			X	X		X				
B95-AB-04-16			1530											X			
B95-AB-04-22.5		↓	1600			X	X			X	X		X				
B95-AB-01-2.5		4/29/21	~~0950~~ 1050 RC											X			
B95-AB-01-5		↓	~~0955~~ 1055 RC	↓	↓									X			

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel C	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	Oliver Kron	Oliver Kron	FAI	4/30/21	1143
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104433

Report To Sam Adlington

Company Aspect Consulting

Address 710 2nd Ave Ste 550

City, State, ZIP Seattle, WA 98104

Phone 206 788 7557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) Rachel

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- X Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 metals	HOLD			Notes
~~AB~~ B95-AB-01-8.5		4/29/21	1057	soil	5	X	X			X	X		X				
B95-AB-01-11			1100			X	X			X	X		X				
B95-AB-01-14.5			1127			X	X			X	X		X				
B95-AB-01-22.5			1130											X			
B95-AB-02-2.5			0940											X			
B95-AB-02-5			0945			X	X			X	X		X				
B95-AB-02-7.5			0950											X			
B95-AB-02-10			0955											X			
B95-AB-02-12.5			0959			X	X			X	X		X				
~~B95-AB-02-17.5~~			1010														

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Connwell	Aspect	4/30/21	1115
Received by:	[illegible]	Oliver Hou	FAI	4/30/21	1115
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104483

Page # 4 of 6

Report To ~~Asp~~ RC Sam Adlington

Company Aspect Consulting

Address 710 2nd Ave Ste 550

City, State, ZIP Seattle, WA 98104

Phone 2067887557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) Rachel C

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 Metals	HOLD			Notes
B95-AB-02-21.5		4/29/21	1030	soil	5	X	X			X	X		X				
B95-AB-03-2.5		↓	0840	↓	↓									X			
B95-AB-03-4.5		↓	0844	↓	↓									X			
B95-AB-03-7		↓	~~0850~~ RC	↓	↓	X	X			X	X		X				time 0848
B95-AB-03-12.5		↓	0905	↓	↓									X			
B95-AB-03-15		↓	0910	↓	↓									X			
B95-AB-03-22.5		↓	0932	↓	↓	X	X			X	X		X				
B95-AB-03-10		↓	0850	↓	↓	X	X			X	X		X				
B95-AB-06-6.5		↓	1139	↓	↓	X	X			X	X		X				
B95-AB-06-13		↓	1200	↓	↓	X	X			X	X		X				

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	[illegible]	Oliver Rau	FAI	4/30/21	1143
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104433

Page # 5 of 6

Report To: Sam Adlington
Company: Aspect Consulting
Address: 710 2nd Ave Ste 550
City, State, ZIP: Seattle, WA 98104
Phone: 2067887557 Email: sadlington@aspectconsulting.com

SAMPLERS (signature): Rachel C

PROJECT NAME	PO #
Swedish Block 95	200482
REMARKS	INVOICE TO
Project specific RLs? - Yes / No	

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 metals	HOLD			Notes
B95-AB-06-15.5		1203	4/29/21	Soil	5									X			
B95-AB-06-18		1210												X			
B95-AB-06-20		1215				X	X			X	X		X				
B95-AB-06-23		1230												X			
B95-AB-07-4		1324				X	X			X	X		X				
B95-AB-07-10		1333												X			
B95-AB-07-13		1338												X			
B95-AB-07-16.5		1342				X	X			X	X		X				
B95-AB-07-19		1400												X			
B95-AB-07-23		1405				X	X			X	X		X				

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	[illegible]	Olive Hou	FAI	4/30/21	1143
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104433

Report To Sam Adlington

Company Aspect

Address 710 2nd Ave Ste 550

City, State, ZIP Seattle, WA 98104

Phone 206 788 7557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) Rachel C

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME

X Standard turnaround

RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

Archive samples

Other

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 Metals	HOLD			Notes
B95-AB-09-4.5-1		4/29/21	1505	Soil	5	X	X			X	X		X				
B95-AB-09-4.5-2		↓	1515	↓	↓	X	X			X	X		X				

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	Oliver	Oliver Kron	FAI	4/30/21	1143
Relinquished by:					
Received by:					

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SAMPLE CHAIN OF CUSTODY

2104433

Report To Sam Adlington
Company Aspect
Address 710 2nd Ave, Ste 550
City, State, ZIP Seattle, WA, 98104
Phone 206 788 7557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) B Cem

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

Edits per SA 4/30/21- gac

Edits per SA 5/4/21- gac

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
Default: Dispose after 30 days

X = add per SA
Std TAT 5/14/21 -CG

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 Metals	HOLD			Notes
B95-AB-08-3.5		4/28/21	1320	soil	4									X			
B95-AB-08-6.5			1345			X	X			X	X		X				
B95-AB-08-9			1350			X	X			X	X		X				
B95-AB-08-12			1355											X			
B95-AB-08-18			1405			X	X			X	X		X				
B95-AB-08-22.5			1410								X			X			
B95-AB-05-7			1050			X	X			X	X		X				
B95-AB-05-9.5			1055											X			
B95-AB-05-14			1140			X	X			X	X		X				
B95-AB-05-17.5			1145														

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	[signature]	Oliver Kroll	FAI	4/30/21	1143
Relinquished by:					
Received by:					

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3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104433

Report To Sam Adlington

Company Aspect

Address 710 2nd Ave, Ste 550

City, State, ZIP Seattle, WA 98104

Phone 206 788 7557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) B Cu, Rachel

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS: Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- X Standard turnaround
- RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- Archive samples
- Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 Metals	HOLD			Notes
B95-AB-05-22		4/28/21	1155	Soil	4	X	X			X	X		X				
B95-AB-04-2		↓	1500	↓	↓	X	X			X	X		X				
B95-AB-04-4			1505											X			
B95-AB-04-6.5			1510											X			
B95-AB-04-8.5			1515											X			
B95-AB-04-12.5			1525			X	X			X	X		X				
B95-AB-04-16			1530											X			
B95-AB-04-22.5		↓	1600			X	X			X	X		X				
B95-AB-01-2.5		4/29/21	~~0950~~ 1050 RC											X			
B95-AB-01-5		↓	~~0955~~ 1055 RC	↓	↓									X			

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel C	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	Oliver Kron	Oliver Kron	FAI	4/30/21	1143
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104433

Report To Sam Adlington

Company Aspect Consulting

Address 710 2nd Ave Ste 550

City, State, ZIP Seattle, WA 98104

Phone 206 788 7557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) Rachel

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- X Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 metals	HOLD			Notes
~~AB~~ B95-AB-01-8.5		4/29/21	1057	soil	5	X	X			X	X		X				
B95-AB-01-11			1100			X	X			X	X		X				
B95-AB-01-14.5			1127			X	X			X	X		X				
B95-AB-01-22.5			1130											X			
B95-AB-02-2.5			0940											X			
B95-AB-02-5			0945			X	X			X	X		X				
B95-AB-02-7.5			0950								X			X			
B95-AB-02-10			0955											X			
B95-AB-02-12.5			0959			X	X			X	X		X				
~~B95-AB-02-17.5~~			1010														

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Connwell	Aspect	4/30/21	1115
Received by:	[illegible]	Oliver Hou	FAI	4/30/21	1115
Relinquished by:					
Received by:					

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3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104483

Page # 4 of 6

Report To ~~Asp~~ RC Sam Adlington

Company Aspect Consulting

Address 710 2nd Ave Ste 550

City, State, ZIP Seattle, WA 98104

Phone 2067887557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) Rachel C

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- X Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 Metals	HOLD			Notes
B95-AB-02-21.5		4/29/21	1030	soil	5	X	X			X	X		X				
B95-AB-03-2.5		↓	0840	↓	↓									X			
B95-AB-03-4.5		↓	0844	↓	↓									X			
B95-AB-03-7		↓	~~0850~~ RC	↓	↓	X	X			X	X		X				time 0848
B95-AB-03-12.5		↓	0905	↓	↓									X			
B95-AB-03-15		↓	0910	↓	↓									X			
B95-AB-03-22.5		↓	0932	↓	↓	X	X			X	X		X				
B95-AB-03-10		↓	0850	↓	↓	X	X			X	X		X				
B95-AB-06-6.5		↓	1139	↓	↓	X	X			X	X		X				
B95-AB-06-13		↓	1200	↓	↓	X	X			X	X		X				

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	[illegible]	Oliver Rau	FAI	4/30/21	1143
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

SAMPLE CHAIN OF CUSTODY

2104433

Page # 5 of 6

Report To: Sam Adlington
Company: Aspect Consulting
Address: 710 2nd Ave Ste 550
City, State, ZIP: Seattle, WA 98104
Phone: 2067887557 Email: sadlington@aspectconsulting.com

SAMPLERS (signature): Rachel C

PROJECT NAME	PO #
Swedish Block 95	200482

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME
- X Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 metals	HOLD			Notes
B95-AB-06-15.5		1203	4/29/21	Soil	5									X			
B95-AB-06-18		1210												X			
B95-AB-06-20		1215				X	X			X	X		X				
B95-AB-06-23		1230				X	X				X		X	X			
B95-AB-07-4		1324				X	X			X	X		X				
B95-AB-07-10		1333												X			
B95-AB-07-13		1338												X			
B95-AB-07-16.5		1342				X	X			X	X		X				
B95-AB-07-19		1400												X			
B95-AB-07-23		1405				X	X			X	X		X				

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	[illegible]	Olive Thou	FAI	4/30/21	1143
Relinquished by:					
Received by:					

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SAMPLE CHAIN OF CUSTODY

2104433

Report To Sam Adlington

Company Aspect

Address 710 2nd Ave Ste 550

City, State, ZIP Seattle, WA 98104

Phone 206 788 7557 Email sadlington@aspectconsulting.com

SAMPLERS (*signature*) Rachel C

PROJECT NAME: Swedish Block 95

PO #: 200482

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

TURNAROUND TIME

X Standard turnaround

RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

Archive samples

Other

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	RCRA 8 Metals	HOLD			Notes
B95-AB-09-4.5-1		4/29/21	1505	Soil	5	X	X			X	X		X				
B95-AB-09-4.5-2		↓	1515	↓	↓	X	X			X	X		X				

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Rachel	Rachel Cornwell	Aspect	4/30/21	1115
Received by:	Oliver	Oliver Kron	FAI	4/30/21	1143
Relinquished by:					
Received by:					

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Sam Adlington
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Swedish Block 95
Work Order Number: 2105045

May 13, 2021

Attention Sam Adlington:

Fremont Analytical, Inc. received 4 sample(s) on 5/5/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Dissolved Mercury by EPA Method 245.1
Dissolved Metals by EPA Method 200.8
Gasoline by NWTPH-Gx
Volatile Organic Compounds by EPA Method 8260D

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

Date: *05/13/2021*

CLIENT: Aspect Consulting
Project: Swedish Block 95
Work Order: 2105045

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2105045-001	GEI-10-050421	05/04/2021 10:00 AM	05/05/2021 8:55 AM
2105045-002	GEI-11-050421	05/04/2021 2:30 PM	05/05/2021 8:55 AM
2105045-003	GEI-12-050421	05/04/2021 5:00 PM	05/05/2021 8:55 AM
2105045-004	GEI-13-050421	05/04/2021 6:00 PM	05/05/2021 8:55 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2105045**

Date: **5/13/2021**

CLIENT: Aspect Consulting

Project: Swedish Block 95

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

Analytical Report

Work Order: **2105045**
Date Reported: **5/13/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2105045-001
Client Sample ID: **GEI-10-050421**

Collection Date: 5/4/2021 10:00:00 AM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32205		Analyst: MM
Diesel (Fuel Oil)	ND	103		µg/L	1	5/6/2021 3:27:41 PM
Heavy Oil	526	103		µg/L	1	5/6/2021 3:27:41 PM
Total Petroleum Hydrocarbons	526	206		µg/L	1	5/6/2021 3:27:41 PM
Surr: 2-Fluorobiphenyl	83.4	50 - 150		%Rec	1	5/6/2021 3:27:41 PM
Surr: o-Terphenyl	82.3	50 - 150		%Rec	1	5/6/2021 3:27:41 PM
Gasoline by NWTPH-Gx				Batch ID: 32225		Analyst: KT
Gasoline	ND	50.0		µg/L	1	5/10/2021 11:12:38 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/10/2021 11:12:38 AM
Surr: 4-Bromofluorobenzene	99.8	65 - 135		%Rec	1	5/10/2021 11:12:38 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32225		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	1.25		µg/L	1	5/10/2021 11:12:38 AM
Chloromethane	ND	0.750		µg/L	1	5/10/2021 11:12:38 AM
Vinyl chloride	ND	0.350		µg/L	1	5/10/2021 11:12:38 AM
Bromomethane	ND	1.20		µg/L	1	5/10/2021 11:12:38 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
Chloroethane	ND	1.00		µg/L	1	5/10/2021 11:12:38 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
Acetone	ND	6.00		µg/L	1	5/10/2021 11:12:38 AM
Methylene chloride	4.41	0.750		µg/L	1	5/10/2021 11:12:38 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
Methyl tert-butyl ether (MTBE)	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
(MEK) 2-Butanone	ND	1.50		µg/L	1	5/10/2021 11:12:38 AM
Chloroform	0.881	0.500		µg/L	1	5/10/2021 11:12:38 AM
1,1,1-Trichloroethane (TCA)	ND	0.400		µg/L	1	5/10/2021 11:12:38 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
Carbon tetrachloride	ND	0.750		µg/L	1	5/10/2021 11:12:38 AM
1,2-Dichloroethane (EDC)	ND	0.400		µg/L	1	5/10/2021 11:12:38 AM
Benzene	ND	0.440		µg/L	1	5/10/2021 11:12:38 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
Bromodichloromethane	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
Dibromomethane	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM

Analytical Report

Work Order: **2105045**
Date Reported: **5/13/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2105045-001
Client Sample ID: **GEI-10-050421**

Collection Date: 5/4/2021 10:00:00 AM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32225		Analyst: KT
Toluene	ND	0.750		µg/L	1	5/10/2021 11:12:38 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
Methyl Isobutyl Ketone (MIBK)	ND	1.25		µg/L	1	5/10/2021 11:12:38 AM
1,1,2-Trichloroethane	ND	0.350		µg/L	1	5/10/2021 11:12:38 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
Tetrachloroethene (PCE)	ND	0.400		µg/L	1	5/10/2021 11:12:38 AM
Dibromochloromethane	ND	1.00		µg/L	1	5/10/2021 11:12:38 AM
1,2-Dibromoethane (EDB)	ND	0.300		µg/L	1	5/10/2021 11:12:38 AM
2-Hexanone (MBK)	ND	1.00		µg/L	1	5/10/2021 11:12:38 AM
Chlorobenzene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
1,1,1,2-Tetrachloroethane	ND	0.300		µg/L	1	5/10/2021 11:12:38 AM
Ethylbenzene	ND	0.400		µg/L	1	5/10/2021 11:12:38 AM
m,p-Xylene	ND	1.00		µg/L	1	5/10/2021 11:12:38 AM
o-Xylene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
Styrene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
Isopropylbenzene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
Bromoform	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
1,1,2,2-Tetrachloroethane	ND	0.400		µg/L	1	5/10/2021 11:12:38 AM
n-Propylbenzene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
Bromobenzene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
1,3,5-Trimethylbenzene	ND	0.250		µg/L	1	5/10/2021 11:12:38 AM
2-Chlorotoluene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
4-Chlorotoluene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
tert-Butylbenzene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
1,2,3-Trichloropropane	ND	0.400		µg/L	1	5/10/2021 11:12:38 AM
1,2,4-Trichlorobenzene	ND	0.750		µg/L	1	5/10/2021 11:12:38 AM
sec-Butylbenzene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
4-Isopropyltoluene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
n-Butylbenzene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	5/10/2021 11:12:38 AM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	5/10/2021 11:12:38 AM
Naphthalene	ND	1.25		µg/L	1	5/10/2021 11:12:38 AM
1,2,3-Trichlorobenzene	ND	0.700		µg/L	1	5/10/2021 11:12:38 AM
Surr: Dibromofluoromethane	102	80.7 - 121		%Rec	1	5/10/2021 11:12:38 AM
Surr: Toluene-d8	100	84.5 - 116		%Rec	1	5/10/2021 11:12:38 AM

Original

Analytical Report

Work Order: **2105045**
Date Reported: **5/13/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2105045-001
Client Sample ID: GEI-10-050421

Collection Date: 5/4/2021 10:00:00 AM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32225		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	101	86 - 108		%Rec	1	5/10/2021 11:12:38 AM
Dissolved Mercury by EPA Method 245.1				Batch ID: 32254		Analyst: WF
Mercury	ND	0.100		µg/L	1	5/11/2021 1:18:53 PM
Dissolved Metals by EPA Method 200.8				Batch ID: 32239		Analyst: EH
Arsenic	ND	1.00		µg/L	1	5/12/2021 11:03:24 PM
Barium	23.0	1.50		µg/L	1	5/12/2021 11:03:24 PM
Cadmium	ND	0.125		µg/L	1	5/11/2021 1:40:39 AM
Chromium	ND	0.750		µg/L	1	5/11/2021 1:40:39 AM
Lead	ND	0.500		µg/L	1	5/11/2021 1:40:39 AM
Selenium	6.54	1.90		µg/L	1	5/11/2021 1:40:39 AM
Silver	ND	0.350		µg/L	1	5/11/2021 1:40:39 AM

Analytical Report

Work Order: **2105045**
Date Reported: **5/13/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2105045-002
Client Sample ID: **GEI-11-050421**

Collection Date: 5/4/2021 2:30:00 PM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32205		Analyst: MM
Diesel (Fuel Oil)	ND	102		µg/L	1	5/6/2021 2:36:29 PM
Heavy Oil	1,010	102		µg/L	1	5/6/2021 2:36:29 PM
Total Petroleum Hydrocarbons	1,070	205		µg/L	1	5/6/2021 2:36:29 PM
Surr: 2-Fluorobiphenyl	78.6	50 - 150		%Rec	1	5/6/2021 2:36:29 PM
Surr: o-Terphenyl	84.1	50 - 150		%Rec	1	5/6/2021 2:36:29 PM
Gasoline by NWTPH-Gx				Batch ID: 32225		Analyst: KT
Gasoline	ND	50.0		µg/L	1	5/7/2021 4:51:16 PM
Surr: Toluene-d8	103	65 - 135		%Rec	1	5/7/2021 4:51:16 PM
Surr: 4-Bromofluorobenzene	101	65 - 135		%Rec	1	5/7/2021 4:51:16 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32225		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	1.25	Q	µg/L	1	5/7/2021 4:51:16 PM
Chloromethane	ND	0.750		µg/L	1	5/7/2021 4:51:16 PM
Vinyl chloride	ND	0.350		µg/L	1	5/7/2021 4:51:16 PM
Bromomethane	ND	1.20		µg/L	1	5/7/2021 4:51:16 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
Chloroethane	ND	1.00		µg/L	1	5/7/2021 4:51:16 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
Acetone	ND	6.00		µg/L	1	5/7/2021 4:51:16 PM
Methylene chloride	1.29	0.750		µg/L	1	5/7/2021 4:51:16 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
Methyl tert-butyl ether (MTBE)	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
(MEK) 2-Butanone	ND	1.50		µg/L	1	5/7/2021 4:51:16 PM
Chloroform	0.543	0.500		µg/L	1	5/7/2021 4:51:16 PM
1,1,1-Trichloroethane (TCA)	ND	0.400		µg/L	1	5/7/2021 4:51:16 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
Carbon tetrachloride	ND	0.750		µg/L	1	5/7/2021 4:51:16 PM
1,2-Dichloroethane (EDC)	ND	0.400		µg/L	1	5/7/2021 4:51:16 PM
Benzene	ND	0.440		µg/L	1	5/7/2021 4:51:16 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
Bromodichloromethane	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
Dibromomethane	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM

Analytical Report

Work Order: **2105045**
Date Reported: **5/13/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2105045-002
Client Sample ID: **GEI-11-050421**

Collection Date: 5/4/2021 2:30:00 PM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32225		Analyst: KT
Toluene	ND	0.750		µg/L	1	5/7/2021 4:51:16 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
Methyl Isobutyl Ketone (MIBK)	ND	1.25		µg/L	1	5/7/2021 4:51:16 PM
1,1,2-Trichloroethane	ND	0.350		µg/L	1	5/7/2021 4:51:16 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
Tetrachloroethene (PCE)	ND	0.400		µg/L	1	5/7/2021 4:51:16 PM
Dibromochloromethane	ND	1.00		µg/L	1	5/7/2021 4:51:16 PM
1,2-Dibromoethane (EDB)	ND	0.300		µg/L	1	5/7/2021 4:51:16 PM
2-Hexanone (MBK)	ND	1.00		µg/L	1	5/7/2021 4:51:16 PM
Chlorobenzene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
1,1,1,2-Tetrachloroethane	ND	0.300		µg/L	1	5/7/2021 4:51:16 PM
Ethylbenzene	ND	0.400		µg/L	1	5/7/2021 4:51:16 PM
m,p-Xylene	ND	1.00		µg/L	1	5/7/2021 4:51:16 PM
o-Xylene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
Styrene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
Isopropylbenzene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
Bromoform	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
1,1,2,2-Tetrachloroethane	ND	0.400		µg/L	1	5/7/2021 4:51:16 PM
n-Propylbenzene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
Bromobenzene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
1,3,5-Trimethylbenzene	ND	0.250		µg/L	1	5/7/2021 4:51:16 PM
2-Chlorotoluene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
4-Chlorotoluene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
tert-Butylbenzene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
1,2,3-Trichloropropane	ND	0.400		µg/L	1	5/7/2021 4:51:16 PM
1,2,4-Trichlorobenzene	ND	0.750		µg/L	1	5/7/2021 4:51:16 PM
sec-Butylbenzene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
4-Isopropyltoluene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
n-Butylbenzene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	5/7/2021 4:51:16 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	5/7/2021 4:51:16 PM
Naphthalene	1.68	1.25		µg/L	1	5/7/2021 4:51:16 PM
1,2,3-Trichlorobenzene	ND	0.700		µg/L	1	5/7/2021 4:51:16 PM
Surr: Dibromofluoromethane	100	80.7 - 121		%Rec	1	5/7/2021 4:51:16 PM
Surr: Toluene-d8	102	84.5 - 116		%Rec	1	5/7/2021 4:51:16 PM

Original

Analytical Report

Work Order: **2105045**
Date Reported: **5/13/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2105045-002
Client Sample ID: **GEI-11-050421**

Collection Date: 5/4/2021 2:30:00 PM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32225		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	102	86 - 108		%Rec	1	5/7/2021 4:51:16 PM
Dissolved Mercury by EPA Method 245.1				Batch ID: 32254		Analyst: WF
Mercury	ND	0.100		µg/L	1	5/11/2021 1:25:42 PM
Dissolved Metals by EPA Method 200.8				Batch ID: 32239		Analyst: EH
Arsenic	19.2	1.00		µg/L	1	5/12/2021 10:41:08 PM
Barium	15.4	1.50		µg/L	1	5/12/2021 10:41:08 PM
Cadmium	ND	0.125		µg/L	1	5/11/2021 1:22:24 AM
Chromium	ND	0.750		µg/L	1	5/11/2021 1:22:24 AM
Lead	ND	0.500		µg/L	1	5/11/2021 1:22:24 AM
Selenium	ND	1.90		µg/L	1	5/11/2021 1:22:24 AM
Silver	ND	0.350		µg/L	1	5/11/2021 1:22:24 AM

Analytical Report

Work Order: **2105045**
Date Reported: **5/13/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2105045-003
Client Sample ID: **GEI-12-050421**

Collection Date: 5/4/2021 5:00:00 PM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32205		Analyst: MM
Diesel (Fuel Oil)	ND	102		µg/L	1	5/6/2021 3:53:37 PM
Heavy Oil	274	102		µg/L	1	5/6/2021 3:53:37 PM
Total Petroleum Hydrocarbons	274	204		µg/L	1	5/6/2021 3:53:37 PM
Surr: 2-Fluorobiphenyl	80.9	50 - 150		%Rec	1	5/6/2021 3:53:37 PM
Surr: o-Terphenyl	74.6	50 - 150		%Rec	1	5/6/2021 3:53:37 PM
Gasoline by NWTPH-Gx				Batch ID: 32225		Analyst: KT
Gasoline	ND	50.0		µg/L	1	5/7/2021 5:21:30 PM
Surr: Toluene-d8	101	65 - 135		%Rec	1	5/7/2021 5:21:30 PM
Surr: 4-Bromofluorobenzene	101	65 - 135		%Rec	1	5/7/2021 5:21:30 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32225		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	1.25	Q	µg/L	1	5/7/2021 5:21:30 PM
Chloromethane	ND	0.750		µg/L	1	5/7/2021 5:21:30 PM
Vinyl chloride	ND	0.350		µg/L	1	5/7/2021 5:21:30 PM
Bromomethane	ND	1.20		µg/L	1	5/7/2021 5:21:30 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
Chloroethane	ND	1.00		µg/L	1	5/7/2021 5:21:30 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
Acetone	ND	6.00		µg/L	1	5/7/2021 5:21:30 PM
Methylene chloride	3.14	0.750		µg/L	1	5/7/2021 5:21:30 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
Methyl tert-butyl ether (MTBE)	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
(MEK) 2-Butanone	ND	1.50		µg/L	1	5/7/2021 5:21:30 PM
Chloroform	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
1,1,1-Trichloroethane (TCA)	ND	0.400		µg/L	1	5/7/2021 5:21:30 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
Carbon tetrachloride	ND	0.750		µg/L	1	5/7/2021 5:21:30 PM
1,2-Dichloroethane (EDC)	ND	0.400		µg/L	1	5/7/2021 5:21:30 PM
Benzene	ND	0.440		µg/L	1	5/7/2021 5:21:30 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
Bromodichloromethane	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
Dibromomethane	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM

Analytical Report

Work Order: **2105045**
Date Reported: **5/13/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2105045-003
Client Sample ID: **GEI-12-050421**

Collection Date: 5/4/2021 5:00:00 PM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32225		Analyst: KT
Toluene	ND	0.750		µg/L	1	5/7/2021 5:21:30 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
Methyl Isobutyl Ketone (MIBK)	ND	1.25		µg/L	1	5/7/2021 5:21:30 PM
1,1,2-Trichloroethane	ND	0.350		µg/L	1	5/7/2021 5:21:30 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
Tetrachloroethene (PCE)	ND	0.400		µg/L	1	5/7/2021 5:21:30 PM
Dibromochloromethane	ND	1.00		µg/L	1	5/7/2021 5:21:30 PM
1,2-Dibromoethane (EDB)	ND	0.300		µg/L	1	5/7/2021 5:21:30 PM
2-Hexanone (MBK)	ND	1.00		µg/L	1	5/7/2021 5:21:30 PM
Chlorobenzene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
1,1,1,2-Tetrachloroethane	ND	0.300		µg/L	1	5/7/2021 5:21:30 PM
Ethylbenzene	ND	0.400		µg/L	1	5/7/2021 5:21:30 PM
m,p-Xylene	ND	1.00		µg/L	1	5/7/2021 5:21:30 PM
o-Xylene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
Styrene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
Isopropylbenzene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
Bromoform	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
1,1,2,2-Tetrachloroethane	ND	0.400		µg/L	1	5/7/2021 5:21:30 PM
n-Propylbenzene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
Bromobenzene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
1,3,5-Trimethylbenzene	ND	0.250		µg/L	1	5/7/2021 5:21:30 PM
2-Chlorotoluene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
4-Chlorotoluene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
tert-Butylbenzene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
1,2,3-Trichloropropane	ND	0.400		µg/L	1	5/7/2021 5:21:30 PM
1,2,4-Trichlorobenzene	ND	0.750		µg/L	1	5/7/2021 5:21:30 PM
sec-Butylbenzene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
4-Isopropyltoluene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
n-Butylbenzene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	5/7/2021 5:21:30 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	5/7/2021 5:21:30 PM
Naphthalene	ND	1.25		µg/L	1	5/7/2021 5:21:30 PM
1,2,3-Trichlorobenzene	ND	0.700		µg/L	1	5/7/2021 5:21:30 PM
Surr: Dibromofluoromethane	100	80.7 - 121		%Rec	1	5/7/2021 5:21:30 PM
Surr: Toluene-d8	102	84.5 - 116		%Rec	1	5/7/2021 5:21:30 PM

Analytical Report

Work Order: **2105045**
Date Reported: **5/13/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2105045-003
Client Sample ID: **GEI-12-050421**

Collection Date: 5/4/2021 5:00:00 PM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32225		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	102	86 - 108		%Rec	1	5/7/2021 5:21:30 PM
Dissolved Mercury by EPA Method 245.1				Batch ID: 32254		Analyst: WF
Mercury	ND	0.100		µg/L	1	5/11/2021 1:27:24 PM
Dissolved Metals by EPA Method 200.8				Batch ID: 32239		Analyst: EH
Arsenic	ND	1.00		µg/L	1	5/11/2021 1:45:13 AM
Barium	17.0	1.50		µg/L	1	5/12/2021 11:08:58 PM
Cadmium	ND	0.125		µg/L	1	5/11/2021 1:45:13 AM
Chromium	1.44	0.750		µg/L	1	5/12/2021 11:08:58 PM
Lead	ND	0.500		µg/L	1	5/11/2021 1:45:13 AM
Selenium	ND	1.90		µg/L	1	5/11/2021 1:45:13 AM
Silver	ND	0.350		µg/L	1	5/11/2021 1:45:13 AM

Analytical Report

Work Order: **2105045**
Date Reported: **5/13/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2105045-004
Client Sample ID: **GEI-13-050421**

Collection Date: 5/4/2021 6:00:00 PM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32205		Analyst: MM
Diesel (Fuel Oil)	ND	99.9		µg/L	1	5/6/2021 4:50:45 PM
Heavy Oil	3,510	99.9		µg/L	1	5/6/2021 4:50:45 PM
Total Petroleum Hydrocarbons	3,550	200		µg/L	1	5/6/2021 4:50:45 PM
Surr: 2-Fluorobiphenyl	82.0	50 - 150		%Rec	1	5/6/2021 4:50:45 PM
Surr: o-Terphenyl	79.0	50 - 150		%Rec	1	5/6/2021 4:50:45 PM
Gasoline by NWTPH-Gx				Batch ID: 32225		Analyst: KT
Gasoline	ND	50.0		µg/L	1	5/7/2021 5:51:41 PM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/7/2021 5:51:41 PM
Surr: 4-Bromofluorobenzene	101	65 - 135		%Rec	1	5/7/2021 5:51:41 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32225		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	1.25	Q	µg/L	1	5/7/2021 5:51:41 PM
Chloromethane	ND	0.750		µg/L	1	5/7/2021 5:51:41 PM
Vinyl chloride	ND	0.350		µg/L	1	5/7/2021 5:51:41 PM
Bromomethane	ND	1.20		µg/L	1	5/7/2021 5:51:41 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
Chloroethane	ND	1.00		µg/L	1	5/7/2021 5:51:41 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
Acetone	ND	6.00		µg/L	1	5/7/2021 5:51:41 PM
Methylene chloride	1.48	0.750		µg/L	1	5/7/2021 5:51:41 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
Methyl tert-butyl ether (MTBE)	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
(MEK) 2-Butanone	ND	1.50		µg/L	1	5/7/2021 5:51:41 PM
Chloroform	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
1,1,1-Trichloroethane (TCA)	ND	0.400		µg/L	1	5/7/2021 5:51:41 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
Carbon tetrachloride	ND	0.750		µg/L	1	5/7/2021 5:51:41 PM
1,2-Dichloroethane (EDC)	ND	0.400		µg/L	1	5/7/2021 5:51:41 PM
Benzene	ND	0.440		µg/L	1	5/7/2021 5:51:41 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
Bromodichloromethane	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
Dibromomethane	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM

Analytical Report

Work Order: **2105045**
Date Reported: **5/13/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2105045-004
Client Sample ID: **GEI-13-050421**

Collection Date: 5/4/2021 6:00:00 PM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32225		Analyst: KT
Toluene	ND	0.750		µg/L	1	5/7/2021 5:51:41 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
Methyl Isobutyl Ketone (MIBK)	ND	1.25		µg/L	1	5/7/2021 5:51:41 PM
1,1,2-Trichloroethane	ND	0.350		µg/L	1	5/7/2021 5:51:41 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
Tetrachloroethene (PCE)	ND	0.400		µg/L	1	5/7/2021 5:51:41 PM
Dibromochloromethane	ND	1.00		µg/L	1	5/7/2021 5:51:41 PM
1,2-Dibromoethane (EDB)	ND	0.300		µg/L	1	5/7/2021 5:51:41 PM
2-Hexanone (MBK)	ND	1.00		µg/L	1	5/7/2021 5:51:41 PM
Chlorobenzene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
1,1,1,2-Tetrachloroethane	ND	0.300		µg/L	1	5/7/2021 5:51:41 PM
Ethylbenzene	ND	0.400		µg/L	1	5/7/2021 5:51:41 PM
m,p-Xylene	ND	1.00		µg/L	1	5/7/2021 5:51:41 PM
o-Xylene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
Styrene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
Isopropylbenzene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
Bromoform	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
1,1,2,2-Tetrachloroethane	ND	0.400		µg/L	1	5/7/2021 5:51:41 PM
n-Propylbenzene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
Bromobenzene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
1,3,5-Trimethylbenzene	ND	0.250		µg/L	1	5/7/2021 5:51:41 PM
2-Chlorotoluene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
4-Chlorotoluene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
tert-Butylbenzene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
1,2,3-Trichloropropane	ND	0.400		µg/L	1	5/7/2021 5:51:41 PM
1,2,4-Trichlorobenzene	ND	0.750		µg/L	1	5/7/2021 5:51:41 PM
sec-Butylbenzene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
4-Isopropyltoluene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
n-Butylbenzene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	5/7/2021 5:51:41 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	5/7/2021 5:51:41 PM
Naphthalene	ND	1.25		µg/L	1	5/7/2021 5:51:41 PM
1,2,3-Trichlorobenzene	ND	0.700		µg/L	1	5/7/2021 5:51:41 PM
Surr: Dibromofluoromethane	100	80.7 - 121		%Rec	1	5/7/2021 5:51:41 PM
Surr: Toluene-d8	102	84.5 - 116		%Rec	1	5/7/2021 5:51:41 PM

Analytical Report

Work Order: **2105045**
Date Reported: **5/13/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2105045-004
Client Sample ID: **GEI-13-050421**

Collection Date: 5/4/2021 6:00:00 PM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 32225		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	102	86 - 108		%Rec	1	5/7/2021 5:51:41 PM
Dissolved Mercury by EPA Method 245.1				Batch ID: 32254		Analyst: WF
Mercury	ND	0.100		µg/L	1	5/11/2021 1:29:05 PM
Dissolved Metals by EPA Method 200.8				Batch ID: 32239		Analyst: EH
Arsenic	ND	1.00		µg/L	1	5/11/2021 1:49:46 AM
Barium	42.4	1.50		µg/L	1	5/12/2021 11:25:43 PM
Cadmium	ND	0.125		µg/L	1	5/11/2021 1:49:46 AM
Chromium	ND	0.750		µg/L	1	5/11/2021 1:49:46 AM
Lead	ND	0.500		µg/L	1	5/11/2021 1:49:46 AM
Selenium	ND	1.90		µg/L	1	5/11/2021 1:49:46 AM
Silver	ND	0.350		µg/L	1	5/11/2021 1:49:46 AM

Date: *5/13/2021*

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Dissolved Metals by EPA Method 200.8

Sample ID: **MB-32239FB** SampType: **MBLK** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67151**
Client ID: **MBLKW** Batch ID: **32239** Analysis Date: **5/11/2021** SeqNo: **1353211**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.00									
Barium	ND	1.50									
Cadmium	ND	0.125									
Chromium	ND	0.750									
Lead	ND	0.500									
Selenium	ND	1.90									
Silver	ND	0.350									

Sample ID: **MB-32239** SampType: **MBLK** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67151**
Client ID: **MBLKW** Batch ID: **32239** Analysis Date: **5/11/2021** SeqNo: **1353212**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.00									
Barium	ND	1.50									
Cadmium	ND	0.125									
Chromium	ND	0.750									
Lead	ND	0.500									
Selenium	ND	1.90									
Silver	ND	0.350									

Sample ID: **LCS-32239** SampType: **LCS** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67151**
Client ID: **LCSW** Batch ID: **32239** Analysis Date: **5/11/2021** SeqNo: **1353213**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	56.1	0.500	50.00	0	112	85	115				
Selenium	11.2	1.90	10.00	0	112	85	115				

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Dissolved Metals by EPA Method 200.8

Sample ID: **2105045-002CDUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67151**
Client ID: **GEI-11-050421** Batch ID: **32239** Analysis Date: **5/11/2021** SeqNo: **1353215**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	ND	0.125						0		30	
Chromium	ND	0.750						0		30	
Lead	ND	0.500						0		30	
Selenium	ND	1.90						0		30	
Silver	ND	0.350						0		30	

Sample ID: **2105045-002CMS** SampType: **MS** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67151**
Client ID: **GEI-11-050421** Batch ID: **32239** Analysis Date: **5/11/2021** SeqNo: **1353216**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	276	0.500	250.0	0	111	70	130				
Selenium	56.4	1.90	50.00	0	113	70	130				

Sample ID: **2105045-002CMSD** SampType: **MSD** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67151**
Client ID: **GEI-11-050421** Batch ID: **32239** Analysis Date: **5/11/2021** SeqNo: **1353217**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	279	0.500	250.0	0	112	70	130	276.4	1.08	30	
Selenium	60.1	1.90	50.00	0	120	70	130	56.40	6.39	30	

Sample ID: **LCS-32239** SampType: **LCS** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67151**
Client ID: **LCSW** Batch ID: **32239** Analysis Date: **5/12/2021** SeqNo: **1354326**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	111	1.00	100.0	0	111	85	115				
Barium	107	1.50	100.0	0	107	85	115				
Cadmium	5.30	0.125	5.000	0	106	85	115				
Chromium	110	0.750	100.0	0	110	85	115				
Silver	5.29	0.350	5.000	0	106	85	115				

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Dissolved Metals by EPA Method 200.8

Sample ID: **LCS-32239** SampType: **LCS** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67151**
Client ID: **LCSW** Batch ID: **32239** Analysis Date: **5/12/2021** SeqNo: **1354326**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2105045-002CDUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67151**
Client ID: **GEI-11-050421** Batch ID: **32239** Analysis Date: **5/12/2021** SeqNo: **1354328**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	6.46	1.00						19.22	99.4	30	R
Barium	15.4	1.50						15.40	0.198	30	

NOTES:
R - High RPD observed. The method is in control as indicated by the LCS.

Sample ID: **2105045-002CMS** SampType: **MS** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67151**
Client ID: **GEI-11-050421** Batch ID: **32239** Analysis Date: **5/12/2021** SeqNo: **1354329**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	550	1.00	500.0	8.022	108	70	130				
Barium	552	1.50	500.0	17.01	107	70	130				
Cadmium	26.8	0.125	25.00	0	107	70	130				
Chromium	554	0.750	500.0	0.2545	111	70	130				
Silver	25.4	0.350	25.00	0	102	70	130				

Sample ID: **2105045-002CMSD** SampType: **MSD** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67151**
Client ID: **GEI-11-050421** Batch ID: **32239** Analysis Date: **5/12/2021** SeqNo: **1354330**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	518	1.00	500.0	8.022	102	70	130	633.8	20.1	30	
Barium	523	1.50	500.0	17.01	101	70	130	620.6	17.0	30	
Cadmium	28.3	0.125	25.00	0	113	70	130	30.04	6.00	30	
Chromium	501	0.750	500.0	0.2545	100	70	130	597.5	17.6	30	
Silver	26.7	0.350	25.00	0	107	70	130	29.21	8.82	30	

Date: *5/13/2021*

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Dissolved Metals by EPA Method 200.8

Sample ID: **2105070-005BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67151**
Client ID: **BATCH** Batch ID: **32239** Analysis Date: **5/12/2021** SeqNo: **1354338**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	35.1	1.00						0	200	30	
Barium	106	1.50						120.6	12.7	30	
Cadmium	0.126	0.125						0	200	30	
Chromium	3.06	0.750						0.5000	144	30	R
Lead	ND	0.500						0		30	
Selenium	46.8	1.90						0	200	30	
Silver	ND	0.350						0		30	

NOTES:
R - High RPD observed. The method is in control as indicated by the LCS.

Date: *5/13/2021*

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Dissolved Mercury by EPA Method 245.1

Sample ID: **MB-32254** SampType: **MBLK** Units: **µg/L** Prep Date: **5/10/2021** RunNo: **67159**
Client ID: **MBLKW** Batch ID: **32254** Analysis Date: **5/11/2021** SeqNo: **1353433**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100									

Sample ID: **LCS-32254** SampType: **LCS** Units: **µg/L** Prep Date: **5/10/2021** RunNo: **67159**
Client ID: **LCSW** Batch ID: **32254** Analysis Date: **5/11/2021** SeqNo: **1353434**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.28	0.100	2.500	0	91.2	85	115				

Sample ID: **2105045-001CDUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/10/2021** RunNo: **67159**
Client ID: **GEI-10-050421** Batch ID: **32254** Analysis Date: **5/11/2021** SeqNo: **1353436**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100						0		20	

Sample ID: **2105045-001CMS** SampType: **MS** Units: **µg/L** Prep Date: **5/10/2021** RunNo: **67159**
Client ID: **GEI-10-050421** Batch ID: **32254** Analysis Date: **5/11/2021** SeqNo: **1353437**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.38	0.100	2.500	0	95.2	70	130				

Sample ID: **2105045-001CMSD** SampType: **MSD** Units: **µg/L** Prep Date: **5/10/2021** RunNo: **67159**
Client ID: **GEI-10-050421** Batch ID: **32254** Analysis Date: **5/11/2021** SeqNo: **1353438**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.41	0.100	2.500	0	96.4	70	130	2.380	1.25	20	

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-32205** SampType: **MBLK** Units: **µg/L** Prep Date: **5/5/2021** RunNo: **67070**
Client ID: **MBLKW** Batch ID: **32205** Analysis Date: **5/6/2021** SeqNo: **1351228**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	99.5									
Heavy Oil	ND	99.5									
Total Petroleum Hydrocarbons	ND	199									
Surr: 2-Fluorobiphenyl	15.8		19.91		79.2	50	150				
Surr: o-Terphenyl	18.7		19.91		93.7	50	150				

Sample ID: **LCS-32205** SampType: **LCS** Units: **µg/L** Prep Date: **5/5/2021** RunNo: **67070**
Client ID: **LCSW** Batch ID: **32205** Analysis Date: **5/6/2021** SeqNo: **1351229**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	723	98.3	982.9	0	73.6	31.5	116				
Surr: 2-Fluorobiphenyl	14.6		19.66		74.3	50	150				
Surr: o-Terphenyl	16.5		19.66		83.9	50	150				

Sample ID: **2105045-002BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/5/2021** RunNo: **67070**
Client ID: **GEI-11-050421** Batch ID: **32205** Analysis Date: **5/6/2021** SeqNo: **1351232**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	282	101						62.26	128	30	R
Heavy Oil	2,810	101						1,013	94.0	30	R
Total Petroleum Hydrocarbons	3,090	202						1,075	96.8	30	R
Surr: 2-Fluorobiphenyl	16.5		20.24		81.3	50	150		0		
Surr: o-Terphenyl	17.6		20.24		87.0	50	150		0		

NOTES:
R - High RPD due to suspected sample inhomogeneity.

Date: *5/13/2021*

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-32225** SampType: **LCS** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67099**
Client ID: **LCSW** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1351766**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	534	50.0	500.0	0	107	65	135				
Surr: Toluene-d8	25.4		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	26.0		25.00		104	65	135				

Sample ID: **MB-32225** SampType: **MBLK** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67099**
Client ID: **MBLKW** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1351765**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0									
Surr: Toluene-d8	25.2		25.00		101	65	135				
Surr: 4-Bromofluorobenzene	24.7		25.00		98.9	65	135				

Sample ID: **2105062-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67099**
Client ID: **BATCH** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1351760**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0						0		30	
Surr: Toluene-d8	25.2		25.00		101	65	135		0		
Surr: 4-Bromofluorobenzene	24.5		25.00		98.2	65	135		0		

Sample ID: **2105094-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67099**
Client ID: **BATCH** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1351761**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	596	50.0	500.0	0	119	65	135				
Surr: Toluene-d8	25.1		25.00		101	65	135				
Surr: 4-Bromofluorobenzene	25.7		25.00		103	65	135				

Date: *5/13/2021*

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2105060-001BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67099**
Client ID: **BATCH** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1352149**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0						0		30	
Surr: Toluene-d8	25.8		25.00		103	65	135		0		
Surr: 4-Bromofluorobenzene	25.1		25.00		100	65	135		0		

Date: *5/13/2021*

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-32225** SampType: **LCS** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67097**
Client ID: **LCSW** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1351745**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	18.1	1.25	20.00	0	90.4	80	120				
Chloromethane	19.0	0.750	20.00	0	95.2	80	120				
Vinyl chloride	21.3	0.350	20.00	0	107	80	120				
Bromomethane	28.3	1.20	20.00	0	142	80	120				S
Trichlorofluoromethane (CFC-11)	21.2	0.500	20.00	0	106	80	120				
Chloroethane	22.1	1.00	20.00	0	111	80	120				
1,1-Dichloroethene	20.9	0.500	20.00	0	104	80	120				
Acetone	63.3	6.00	50.00	0	127	80	120				S
Methylene chloride	21.8	0.750	20.00	0	109	80	120				
trans-1,2-Dichloroethene	20.9	0.500	20.00	0	104	80	120				
Methyl tert-butyl ether (MTBE)	20.5	0.500	20.00	0	103	80	120				
1,1-Dichloroethane	22.1	0.500	20.00	0	111	80	120				
cis-1,2-Dichloroethene	21.5	0.500	20.00	0	108	80	120				
(MEK) 2-Butanone	61.3	1.50	50.00	0	123	80	120				S
Chloroform	21.6	0.500	20.00	0	108	80	120				
1,1,1-Trichloroethane (TCA)	21.1	0.400	20.00	0	105	80	120				
1,1-Dichloropropene	21.9	0.500	20.00	0	109	80	120				
Carbon tetrachloride	21.5	0.750	20.00	0	107	80	120				
1,2-Dichloroethane (EDC)	21.1	0.400	20.00	0	106	80	120				
Benzene	22.4	0.440	20.00	0	112	80	120				
Trichloroethene (TCE)	20.8	0.500	20.00	0	104	80	120				
1,2-Dichloropropane	22.7	0.500	20.00	0	114	80	120				
Bromodichloromethane	21.8	0.500	20.00	0	109	80	120				
Dibromomethane	21.3	0.500	20.00	0	107	80	120				
cis-1,3-Dichloropropene	21.9	0.500	20.00	0	110	80	120				
Toluene	22.2	0.750	20.00	0	111	80	120				
trans-1,3-Dichloropropylene	22.0	0.500	20.00	0	110	80	120				
Methyl Isobutyl Ketone (MIBK)	51.3	1.25	50.00	0	103	80	120				
1,1,2-Trichloroethane	21.4	0.350	20.00	0	107	80	120				
1,3-Dichloropropane	21.7	0.500	20.00	0	108	80	120				

Date: *5/13/2021*

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-32225** SampType: **LCS** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67097**
Client ID: **LCSW** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1351745**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	20.7	0.400	20.00	0	103	80	120				
Dibromochloromethane	22.0	1.00	20.00	0	110	80	120				
1,2-Dibromoethane (EDB)	21.2	0.300	20.00	0	106	80	120				
2-Hexanone (MBK)	56.3	1.00	50.00	0	113	80	120				
Chlorobenzene	20.4	0.500	20.00	0	102	80	120				
1,1,1,2-Tetrachloroethane	20.4	0.300	20.00	0	102	80	120				
Ethylbenzene	21.1	0.400	20.00	0	106	80	120				
m,p-Xylene	41.6	1.00	40.00	0	104	80	120				
o-Xylene	20.9	0.500	20.00	0	104	80	120				
Styrene	20.6	0.500	20.00	0	103	80	120				
Isopropylbenzene	20.9	0.500	20.00	0	104	80	120				
Bromoform	22.1	0.500	20.00	0	111	80	120				
1,1,2,2-Tetrachloroethane	21.9	0.400	20.00	0	110	80	120				
n-Propylbenzene	21.0	0.500	20.00	0	105	80	120				
Bromobenzene	19.7	0.500	20.00	0	98.6	80	120				
1,3,5-Trimethylbenzene	21.1	0.250	20.00	0	105	80	120				
2-Chlorotoluene	21.1	0.500	20.00	0	106	80	120				
4-Chlorotoluene	20.9	0.500	20.00	0	104	80	120				
tert-Butylbenzene	20.6	0.500	20.00	0	103	80	120				
1,2,3-Trichloropropane	20.7	0.400	20.00	0	103	80	120				
1,2,4-Trichlorobenzene	19.9	0.750	20.00	0	99.6	80	120				
sec-Butylbenzene	20.9	0.500	20.00	0	104	80	120				
4-Isopropyltoluene	20.5	0.500	20.00	0	103	80	120				
1,3-Dichlorobenzene	21.1	0.500	20.00	0	105	80	120				
1,4-Dichlorobenzene	20.7	0.500	20.00	0	104	80	120				
n-Butylbenzene	22.0	0.500	20.00	0	110	80	120				
1,2-Dichlorobenzene	20.9	0.500	20.00	0	105	80	120				
1,2-Dibromo-3-chloropropane	21.8	1.00	20.00	0	109	80	120				
1,2,4-Trimethylbenzene	21.4	0.500	20.00	0	107	80	120				
Hexachloro-1,3-butadiene	20.3	0.500	20.00	0	102	80	120				

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-32225** SampType: **LCS** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67097**
Client ID: **LCSW** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1351745**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	21.2	1.25	20.00	0	106	80	120				
1,2,3-Trichlorobenzene	19.9	0.700	20.00	0	99.4	80	120				
Surr: Dibromofluoromethane	26.8		25.00		107	80	120				
Surr: Toluene-d8	26.8		25.00		107	80	120				
Surr: 1-Bromo-4-fluorobenzene	27.1		25.00		108	80	120				

NOTES:
S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: **MB-32225** SampType: **MBLK** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67097**
Client ID: **MBLKW** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1351743**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.25									Q
Chloromethane	ND	0.750									
Vinyl chloride	ND	0.350									
Bromomethane	ND	1.20									
Trichlorofluoromethane (CFC-11)	ND	0.500									
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	0.500									
Acetone	ND	6.00									
Methylene chloride	ND	0.750									
trans-1,2-Dichloroethene	ND	0.500									
Methyl tert-butyl ether (MTBE)	ND	0.500									
1,1-Dichloroethane	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
(MEK) 2-Butanone	ND	1.50									
Chloroform	ND	0.500									
1,1,1-Trichloroethane (TCA)	ND	0.400									
1,1-Dichloropropene	ND	0.500									
Carbon tetrachloride	ND	0.750									
1,2-Dichloroethane (EDC)	ND	0.400									

Date: *5/13/2021*

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-32225** SampType: **MBLK** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67097**
Client ID: **MBLKW** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1351743**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.440									
Trichloroethene (TCE)	ND	0.500									
1,2-Dichloropropane	ND	0.500									
Bromodichloromethane	ND	0.500									
Dibromomethane	ND	0.500									
cis-1,3-Dichloropropene	ND	0.500									
Toluene	ND	0.750									
trans-1,3-Dichloropropylene	ND	0.500									
Methyl Isobutyl Ketone (MIBK)	ND	1.25									
1,1,2-Trichloroethane	ND	0.350									
1,3-Dichloropropane	ND	0.500									
Tetrachloroethene (PCE)	ND	0.400									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.300									
2-Hexanone (MBK)	ND	1.00									
Chlorobenzene	ND	0.500									
1,1,1,2-Tetrachloroethane	ND	0.300									
Ethylbenzene	ND	0.400									
m,p-Xylene	ND	1.00									
o-Xylene	ND	0.500									
Styrene	ND	0.500									
Isopropylbenzene	ND	0.500									
Bromoform	ND	0.500									
1,1,2,2-Tetrachloroethane	ND	0.400									
n-Propylbenzene	ND	0.500									
Bromobenzene	ND	0.500									
1,3,5-Trimethylbenzene	ND	0.250									
2-Chlorotoluene	ND	0.500									
4-Chlorotoluene	ND	0.500									
tert-Butylbenzene	ND	0.500									

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-32225** SampType: **MBLK** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67097**
Client ID: **MBLKW** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1351743**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	0.400									
1,2,4-Trichlorobenzene	ND	0.750									
sec-Butylbenzene	ND	0.500									
4-Isopropyltoluene	ND	0.500									
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
n-Butylbenzene	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2,4-Trimethylbenzene	ND	0.500									
Hexachloro-1,3-butadiene	ND	0.500									
Naphthalene	ND	1.25									
1,2,3-Trichlorobenzene	ND	0.700									
Surr: Dibromofluoromethane	26.3		25.00		105	80.7	121				
Surr: Toluene-d8	26.0		25.00		104	84.5	116				
Surr: 1-Bromo-4-fluorobenzene	25.1		25.00		100	86	108				

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample ID: **2105062-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67097**
Client ID: **BATCH** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1351740**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.25						0		30	Q
Chloromethane	ND	0.750						0		30	
Vinyl chloride	ND	0.350						0		30	
Bromomethane	ND	1.20						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.500						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	0.500						0		30	
Acetone	ND	6.00						0		30	

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2105062-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67097**
Client ID: **BATCH** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1351740**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	ND	0.750						0		30	
trans-1,2-Dichloroethene	ND	0.500						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.500						0		30	
1,1-Dichloroethane	ND	0.500						0		30	
cis-1,2-Dichloroethene	ND	0.500						0		30	
(MEK) 2-Butanone	ND	1.50						0		30	
Chloroform	ND	0.500						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.400						0		30	
1,1-Dichloropropene	ND	0.500						0		30	
Carbon tetrachloride	ND	0.750						0		30	
1,2-Dichloroethane (EDC)	ND	0.400						0		30	
Benzene	ND	0.440						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	0.500						0		30	
Bromodichloromethane	ND	0.500						0		30	
Dibromomethane	ND	0.500						0		30	
cis-1,3-Dichloropropene	ND	0.500						0		30	
Toluene	ND	0.750						0		30	
trans-1,3-Dichloropropylene	ND	0.500						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	1.25						0		30	
1,1,2-Trichloroethane	ND	0.350						0		30	
1,3-Dichloropropane	ND	0.500						0		30	
Tetrachloroethene (PCE)	ND	0.400						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.300						0		30	
2-Hexanone (MBK)	ND	1.00						0		30	
Chlorobenzene	ND	0.500						0		30	
1,1,1,2-Tetrachloroethane	ND	0.300						0		30	
Ethylbenzene	ND	0.400						0		30	
m,p-Xylene	ND	1.00						0		30	

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2105062-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67097**
Client ID: **BATCH** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1351740**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	0.500						0		30	
Styrene	ND	0.500						0		30	
Isopropylbenzene	ND	0.500						0		30	
Bromoform	ND	0.500						0		30	
1,1,2,2-Tetrachloroethane	ND	0.400						0		30	
n-Propylbenzene	ND	0.500						0		30	
Bromobenzene	ND	0.500						0		30	
1,3,5-Trimethylbenzene	ND	0.250						0		30	
2-Chlorotoluene	ND	0.500						0		30	
4-Chlorotoluene	ND	0.500						0		30	
tert-Butylbenzene	ND	0.500						0		30	
1,2,3-Trichloropropane	ND	0.400						0		30	
1,2,4-Trichlorobenzene	ND	0.750						0		30	
sec-Butylbenzene	ND	0.500						0		30	
4-Isopropyltoluene	ND	0.500						0		30	
1,3-Dichlorobenzene	ND	0.500						0		30	
1,4-Dichlorobenzene	ND	0.500						0		30	
n-Butylbenzene	ND	0.500						0		30	
1,2-Dichlorobenzene	ND	0.500						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
1,2,4-Trimethylbenzene	ND	0.500						0		30	
Hexachloro-1,3-butadiene	ND	0.500						0		30	
Naphthalene	ND	1.25						0		30	
1,2,3-Trichlorobenzene	ND	0.700						0		30	
Surr: Dibromofluoromethane	26.6		25.00		106	80.7	121		0		
Surr: Toluene-d8	26.1		25.00		104	84.5	116		0		
Surr: 1-Bromo-4-fluorobenzene	24.8		25.00		99.2	86	108		0		

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2105042-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67097**
Client ID: **BATCH** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1351738**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	11.7	1.25	20.00	0	58.4	8.59	168				
Chloromethane	15.0	0.750	20.00	0	75.1	31.6	166				
Vinyl chloride	19.6	0.350	20.00	0	97.9	57.3	148				
Bromomethane	30.6	1.20	20.00	0	153	36.5	177				
Trichlorofluoromethane (CFC-11)	19.6	0.500	20.00	0	98.1	80.9	136				
Chloroethane	34.6	1.00	20.00	0	173	73.2	140				S
1,1-Dichloroethene	21.0	0.500	20.00	0	105	87.9	131				
Acetone	48.7	6.00	50.00	0	97.4	59.8	139				
Methylene chloride	20.1	0.750	20.00	0	101	85.1	127				
trans-1,2-Dichloroethene	21.3	0.500	20.00	0	106	87.7	128				
Methyl tert-butyl ether (MTBE)	21.3	0.500	20.00	0	106	63	141				
1,1-Dichloroethane	21.0	0.500	20.00	0	105	79.9	138				
cis-1,2-Dichloroethene	21.2	0.500	20.00	0	106	87.1	126				
(MEK) 2-Butanone	52.2	1.50	50.00	0	104	64.9	136				
Chloroform	25.3	0.500	20.00	0	127	89.6	126				S
1,1,1-Trichloroethane (TCA)	21.3	0.400	20.00	0	107	90.8	127				
1,1-Dichloropropene	22.9	0.500	20.00	0	114	90.7	129				
Carbon tetrachloride	21.3	0.750	20.00	0	106	90.1	129				
1,2-Dichloroethane (EDC)	20.9	0.400	20.00	0	105	80.7	131				
Benzene	33.4	0.440	20.00	12.01	107	86.9	130				
Trichloroethene (TCE)	21.6	0.500	20.00	0	108	83.2	130				
1,2-Dichloropropane	22.5	0.500	20.00	0	113	79.8	135				
Bromodichloromethane	24.3	0.500	20.00	0	122	78.1	133				
Dibromomethane	20.7	0.500	20.00	0	104	77.9	134				
cis-1,3-Dichloropropene	22.6	0.500	20.00	0	113	75.1	128				
Toluene	33.4	0.750	20.00	12.07	106	85	134				
trans-1,3-Dichloropropylene	22.3	0.500	20.00	0	112	69.7	135				
Methyl Isobutyl Ketone (MIBK)	64.5	1.25	50.00	0	129	58.7	148				
1,1,2-Trichloroethane	21.4	0.350	20.00	0	107	77.5	132				
1,3-Dichloropropane	20.8	0.500	20.00	0	104	77.4	133				

Date: *5/13/2021*

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2105042-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67097**
Client ID: **BATCH** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1351738**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	21.0	0.400	20.00	0	105	84.6	133				
Dibromochloromethane	19.9	1.00	20.00	0	99.7	74.6	133				
1,2-Dibromoethane (EDB)	20.4	0.300	20.00	0	102	75.7	132				
2-Hexanone (MBK)	64.0	1.00	50.00	0	128	56	153				
Chlorobenzene	22.9	0.500	20.00	2.281	103	94.8	115				
1,1,1,2-Tetrachloroethane	19.8	0.300	20.00	0	98.9	87.1	119				
Ethylbenzene	124	0.400	20.00	134.0	-52.4	89.5	129				ES
m,p-Xylene	321	1.00	40.00	349.3	-70.9	88.2	127				ES
o-Xylene	261	0.500	20.00	278.8	-91.6	89.6	120				ES
Styrene	31.7	0.500	20.00	0	158	89.6	117				S
Isopropylbenzene	41.2	0.500	20.00	19.72	107	90.4	127				
Bromoform	21.2	0.500	20.00	0	106	70.3	133				
1,1,2,2-Tetrachloroethane	22.9	0.400	20.00	0	114	76.7	137				
n-Propylbenzene	63.2	0.500	20.00	43.12	101	87	133				E
Bromobenzene	20.5	0.500	20.00	0	103	92.5	114				
1,3,5-Trimethylbenzene	123	0.250	20.00	124.9	-9.73	89.4	125				ES
2-Chlorotoluene	29.3	0.500	20.00	0	146	89.2	126				S
4-Chlorotoluene	35.9	0.500	20.00	0	180	90.5	123				S
tert-Butylbenzene	21.8	0.500	20.00	0	109	90.2	125				
1,2,3-Trichloropropane	21.6	0.400	20.00	0	108	66.9	131				
1,2,4-Trichlorobenzene	23.7	0.750	20.00	0	119	70.1	130				
sec-Butylbenzene	25.2	0.500	20.00	3.045	111	85.8	134				
4-Isopropyltoluene	27.5	0.500	20.00	5.002	112	88	127				
1,3-Dichlorobenzene	21.6	0.500	20.00	0	108	93.4	118				
1,4-Dichlorobenzene	22.1	0.500	20.00	0.8981	106	93.5	117				
n-Butylbenzene	39.7	0.500	20.00	0	199	79	138				S
1,2-Dichlorobenzene	21.7	0.500	20.00	0.4561	106	92.3	119				
1,2-Dibromo-3-chloropropane	34.3	1.00	20.00	0	171	59.6	144				S
1,2,4-Trimethylbenzene	178	0.500	20.00	191.5	-69.2	89	126				ES
Hexachloro-1,3-butadiene	20.0	0.500	20.00	0	100	71.3	139				

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2105042-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67097**
Client ID: **BATCH** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1351738**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	124	1.25	20.00	129.9	-30.5	52.4	150				ES
1,2,3-Trichlorobenzene	23.2	0.700	20.00	0	116	66.9	136				
Surr: Dibromofluoromethane	25.4		25.00		102	80.7	121				
Surr: Toluene-d8	26.1		25.00		104	84.5	116				
Surr: 1-Bromo-4-fluorobenzene	27.9		25.00		112	86	108				S

NOTES:
S/E - Estimated value. The amount exceeds the linear working range of the instrument. Analyte concentration was too high for accurate spike recovery(ies).
S - Spike recovery indicates a possible matrix effect.
S - Outlying surrogate recovery attributed to TPH interference.

Sample ID: **2105060-001BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67097**
Client ID: **BATCH** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1352139**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.25						0		30	Q
Chloromethane	ND	0.750						0		30	
Vinyl chloride	ND	0.350						0		30	
Bromomethane	ND	1.20						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.500						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	0.500						0		30	
Acetone	ND	6.00						0		30	
Methylene chloride	ND	0.750						0		30	
trans-1,2-Dichloroethene	ND	0.500						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.500						0		30	
1,1-Dichloroethane	ND	0.500						0		30	
cis-1,2-Dichloroethene	ND	0.500						0		30	
(MEK) 2-Butanone	ND	1.50						0		30	
Chloroform	ND	0.500						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.400						0		30	
1,1-Dichloropropene	ND	0.500						0		30	

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2105060-001BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67097**
Client ID: **BATCH** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1352139**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	ND	0.750						0		30	
1,2-Dichloroethane (EDC)	ND	0.400						0		30	
Benzene	ND	0.440						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	0.500						0		30	
Bromodichloromethane	ND	0.500						0		30	
Dibromomethane	ND	0.500						0		30	
cis-1,3-Dichloropropene	ND	0.500						0		30	
Toluene	ND	0.750						0		30	
trans-1,3-Dichloropropylene	ND	0.500						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	1.25						0		30	
1,1,2-Trichloroethane	ND	0.350						0		30	
1,3-Dichloropropane	ND	0.500						0		30	
Tetrachloroethene (PCE)	ND	0.400						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.300						0		30	
2-Hexanone (MBK)	ND	1.00						0		30	
Chlorobenzene	ND	0.500						0		30	
1,1,1,2-Tetrachloroethane	ND	0.300						0		30	
Ethylbenzene	ND	0.400						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	0.500						0		30	
Styrene	ND	0.500						0		30	
Isopropylbenzene	ND	0.500						0		30	
Bromoform	ND	0.500						0		30	
1,1,2,2-Tetrachloroethane	ND	0.400						0		30	
n-Propylbenzene	ND	0.500						0		30	
Bromobenzene	ND	0.500						0		30	
1,3,5-Trimethylbenzene	ND	0.250						0		30	
2-Chlorotoluene	ND	0.500						0		30	

Work Order: 2105045
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2105060-001BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/7/2021** RunNo: **67097**
Client ID: **BATCH** Batch ID: **32225** Analysis Date: **5/7/2021** SeqNo: **1352139**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	0.500						0		30	
tert-Butylbenzene	ND	0.500						0		30	
1,2,3-Trichloropropane	ND	0.400						0		30	
1,2,4-Trichlorobenzene	ND	0.750						0		30	
sec-Butylbenzene	ND	0.500						0		30	
4-Isopropyltoluene	ND	0.500						0		30	
1,3-Dichlorobenzene	ND	0.500						0		30	
1,4-Dichlorobenzene	ND	0.500						0		30	
n-Butylbenzene	ND	0.500						0		30	
1,2-Dichlorobenzene	ND	0.500						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
1,2,4-Trimethylbenzene	ND	0.500						0		30	
Hexachloro-1,3-butadiene	ND	0.500						0		30	
Naphthalene	ND	1.25						0		30	
1,2,3-Trichlorobenzene	ND	0.700						0		30	
Surr: Dibromofluoromethane	25.5		25.00		102	80.7	121		0		
Surr: Toluene-d8	25.8		25.00		103	84.5	116		0		
Surr: 1-Bromo-4-fluorobenzene	25.2		25.00		101	86	108		0		

NOTES:
Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample Log-In Check List

Client Name:	**AC**	Work Order Number:	**2105045**
Logged by:	**Clare Griggs**	Date Received:	**5/5/2021 8:55:00 AM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

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:	Sam Adlington	Date:	5/5/2021
By Whom:	Clare Griggs	Via:	☑ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:	Confirming metals method.		
Client Instructions:	Proceed with 200.8 for dissolved metals.		

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample	2.2

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

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

Chain of Custody Record & Laboratory Services Agreement

Date: 5/4/2021 Page: 1 of: 1

Laboratory Project No (internal): 2105045

Project Name: Swedish Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address: 710 2nd Ave Ste 550

Collected by: Rachel Cornwell

City, State, Zip: Seattle, WA 98104

Location:

Telephone: (206) 788-7557

Report To (PM): Sam Adlington

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: sadlington@aspectconsulting.com

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Dissolved RCRA 8 metals (EPA 6010)*			Comments
1	GE1-10-050421	5/4/21	1000	GW	6	X		X		X							X			*Field Filtered
2	GE1-11-050421	↓	1430	↓	↓	X		X		X							X			↓
3	GE1-12-050421		1700			X		X		X							X			turbidity high
4	GE1-13-050421		1800			X		X		X							X			turbidity high
5																				
6																				
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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Rachel C	Rachel Cornwell	5/5/2021 0800	x	Carter Johnson	5/5/21 @ 0855
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Sam Adlington
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Swedish Block 95
Work Order Number: 2105345

May 28, 2021

Attention Sam Adlington:

Fremont Analytical, Inc. received 5 sample(s) on 5/21/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Dissolved Metals by EPA Method 200.8
Volatile Organic Compounds by EPA Method 8260D SIM

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

Date: *05/28/2021*

CLIENT: Aspect Consulting
Project: Swedish Block 95
Work Order: 2105345

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2105345-001	GEI-10-052121	05/21/2021 10:40 AM	05/21/2021 3:30 PM
2105345-002	GEI-11-052121	05/21/2021 1:00 PM	05/21/2021 3:30 PM
2105345-003	GEI-12-052121	05/21/2021 2:00 PM	05/21/2021 3:30 PM
2105345-004	GEI-13-052121	05/21/2021 2:30 PM	05/21/2021 3:30 PM
2105345-005	Trip Blank	05/20/2021 9:02 AM	05/21/2021 3:30 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2105345**

Date: **5/28/2021**

CLIENT: Aspect Consulting

Project: Swedish Block 95

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

Analytical Report

Work Order: **2105345**
Date Reported: **5/28/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2105345-001
Client Sample ID: **GEI-10-052121**

Collection Date: 5/21/2021 10:40:00 AM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32411		Analyst: MM
Diesel (Fuel Oil)	ND	98.3		µg/L	1	5/27/2021 5:38:12 PM
Heavy Oil	4,680	98.3		µg/L	1	5/27/2021 5:38:12 PM
Total Petroleum Hydrocarbons	4,680	197		µg/L	1	5/27/2021 5:38:12 PM
Surr: 2-Fluorobiphenyl	87.3	50 - 150		%Rec	1	5/27/2021 5:38:12 PM
Surr: o-Terphenyl	86.4	50 - 150		%Rec	1	5/27/2021 5:38:12 PM
Volatile Organic Compounds by EPA Method 8260D SIM				Batch ID: 32458		Analyst: KT
Vinyl chloride	ND	0.0100		µg/L	1	5/26/2021 8:07:20 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	5/26/2021 8:07:20 PM
Surr: Dibromofluoromethane	96.7	91.3 - 113		%Rec	1	5/26/2021 8:07:20 PM
Surr: Toluene-d8	101	91.4 - 107		%Rec	1	5/26/2021 8:07:20 PM
Surr: 1-Bromo-4-fluorobenzene	97.8	86.2 - 111		%Rec	1	5/26/2021 8:07:20 PM
Dissolved Metals by EPA Method 200.8				Batch ID: 32446		Analyst: EH
Arsenic	2.58	1.00		µg/L	1	5/26/2021 11:35:15 PM

Analytical Report

Work Order: **2105345**
Date Reported: **5/28/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2105345-002
Client Sample ID: **GEI-11-052121**

Collection Date: 5/21/2021 1:00:00 PM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32411		Analyst: MM
Diesel (Fuel Oil)	ND	99.7		µg/L	1	5/27/2021 4:09:23 PM
Heavy Oil	ND	99.7		µg/L	1	5/27/2021 4:09:23 PM
Creosote	337	99.7		µg/L	1	5/27/2021 4:09:23 PM
Total Petroleum Hydrocarbons	337	199		µg/L	1	5/27/2021 4:09:23 PM
Surr: 2-Fluorobiphenyl	93.9	50 - 150		%Rec	1	5/27/2021 4:09:23 PM
Surr: o-Terphenyl	103	50 - 150		%Rec	1	5/27/2021 4:09:23 PM
Volatile Organic Compounds by EPA Method 8260D SIM				Batch ID: 32458		Analyst: KT
Vinyl chloride	ND	0.0100		µg/L	1	5/26/2021 8:42:17 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	5/26/2021 8:42:17 PM
Surr: Dibromofluoromethane	97.1	91.3 - 113		%Rec	1	5/26/2021 8:42:17 PM
Surr: Toluene-d8	100	91.4 - 107		%Rec	1	5/26/2021 8:42:17 PM
Surr: 1-Bromo-4-fluorobenzene	101	86.2 - 111		%Rec	1	5/26/2021 8:42:17 PM
Dissolved Metals by EPA Method 200.8				Batch ID: 32446		Analyst: EH
Arsenic	7.94	1.00		µg/L	1	5/26/2021 11:40:49 PM

Analytical Report

Work Order: **2105345**
Date Reported: **5/28/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2105345-003
Client Sample ID: **GEI-12-052121**

Collection Date: 5/21/2021 2:00:00 PM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32411		Analyst: MM
Diesel (Fuel Oil)	ND	99.4		µg/L	1	5/27/2021 5:00:09 PM
Heavy Oil	1,060	99.4		µg/L	1	5/27/2021 5:00:09 PM
Total Petroleum Hydrocarbons	1,060	199		µg/L	1	5/27/2021 5:00:09 PM
Surr: 2-Fluorobiphenyl	98.2	50 - 150		%Rec	1	5/27/2021 5:00:09 PM
Surr: o-Terphenyl	100	50 - 150		%Rec	1	5/27/2021 5:00:09 PM
Volatile Organic Compounds by EPA Method 8260D SIM				Batch ID: 32458		Analyst: KT
Vinyl chloride	ND	0.0100		µg/L	1	5/26/2021 9:17:14 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	5/26/2021 9:17:14 PM
Surr: Dibromofluoromethane	97.6	91.3 - 113		%Rec	1	5/26/2021 9:17:14 PM
Surr: Toluene-d8	99.9	91.4 - 107		%Rec	1	5/26/2021 9:17:14 PM
Surr: 1-Bromo-4-fluorobenzene	99.5	86.2 - 111		%Rec	1	5/26/2021 9:17:14 PM
Dissolved Metals by EPA Method 200.8				Batch ID: 32446		Analyst: EH
Arsenic	1.50	1.00		µg/L	1	5/26/2021 11:46:22 PM

Analytical Report

Work Order: **2105345**
Date Reported: **5/28/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2105345-004
Client Sample ID: **GEI-13-052121**

Collection Date: 5/21/2021 2:30:00 PM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 32411		Analyst: MM
Diesel (Fuel Oil)	ND	98.6		µg/L	1	5/27/2021 5:12:48 PM
Heavy Oil	3,410	98.6		µg/L	1	5/27/2021 5:12:48 PM
Total Petroleum Hydrocarbons	3,410	197		µg/L	1	5/27/2021 5:12:48 PM
Surr: 2-Fluorobiphenyl	81.5	50 - 150		%Rec	1	5/27/2021 5:12:48 PM
Surr: o-Terphenyl	91.6	50 - 150		%Rec	1	5/27/2021 5:12:48 PM
Volatile Organic Compounds by EPA Method 8260D SIM				Batch ID: 32458		Analyst: KT
Vinyl chloride	ND	0.0100		µg/L	1	5/26/2021 10:27:05 PM
1,2-Dibromoethane (EDB)	ND	0.0100		µg/L	1	5/26/2021 10:27:05 PM
Surr: Dibromofluoromethane	97.9	91.3 - 113		%Rec	1	5/26/2021 10:27:05 PM
Surr: Toluene-d8	100	91.4 - 107		%Rec	1	5/26/2021 10:27:05 PM
Surr: 1-Bromo-4-fluorobenzene	100	86.2 - 111		%Rec	1	5/26/2021 10:27:05 PM
Dissolved Metals by EPA Method 200.8				Batch ID: 32446		Analyst: EH
Arsenic	ND	1.00		µg/L	1	5/26/2021 11:51:55 PM

Date: *5/28/2021*

Work Order: 2105345
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Dissolved Metals by EPA Method 200.8

Sample ID: **MB-32446** SampType: **MBLK** Units: **µg/L** Prep Date: **5/26/2021** RunNo: **67575**
Client ID: **MBLKW** Batch ID: **32446** Analysis Date: **5/26/2021** SeqNo: **1362853**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.00									

Sample ID: **LCS-32446** SampType: **LCS** Units: **µg/L** Prep Date: **5/26/2021** RunNo: **67575**
Client ID: **LCSW** Batch ID: **32446** Analysis Date: **5/26/2021** SeqNo: **1362854**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	102	1.00	100.0	0	102	85	115				

Sample ID: **2105070-001BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/26/2021** RunNo: **67575**
Client ID: **BATCH** Batch ID: **32446** Analysis Date: **5/26/2021** SeqNo: **1362856**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.60	1.00						2.912	11.4	30	

Sample ID: **2105070-001BMS** SampType: **MS** Units: **µg/L** Prep Date: **5/26/2021** RunNo: **67575**
Client ID: **BATCH** Batch ID: **32446** Analysis Date: **5/26/2021** SeqNo: **1362857**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	476	1.00	500.0	2.006	94.8	70	130				

Sample ID: **2105070-001BMSD** SampType: **MSD** Units: **µg/L** Prep Date: **5/26/2021** RunNo: **67575**
Client ID: **BATCH** Batch ID: **32446** Analysis Date: **5/26/2021** SeqNo: **1362860**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	490	1.00	500.0	2.006	97.6	70	130	476.2	2.86	30	

Work Order: 2105345
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-32411** SampType: **MBLK** Units: **µg/L** Prep Date: **5/24/2021** RunNo: **67507**
Client ID: **MBLKW** Batch ID: **32411** Analysis Date: **5/25/2021** SeqNo: **1361483**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	99.9									
Heavy Oil	ND	99.9									
Total Petroleum Hydrocarbons	ND	200									
Surr: 2-Fluorobiphenyl	14.3		19.98		71.8	50	150				
Surr: o-Terphenyl	17.4		19.98		87.1	50	150				

Sample ID: **LCS-32411** SampType: **LCS** Units: **µg/L** Prep Date: **5/24/2021** RunNo: **67507**
Client ID: **LCSW** Batch ID: **32411** Analysis Date: **5/25/2021** SeqNo: **1361484**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	926	98.9	989.2	0	93.6	31.5	116				
Surr: 2-Fluorobiphenyl	17.3		19.78		87.3	50	150				
Surr: o-Terphenyl	22.0		19.78		111	50	150				

Sample ID: **2105317-006BMS** SampType: **MS** Units: **µg/L** Prep Date: **5/24/2021** RunNo: **67507**
Client ID: **BATCH** Batch ID: **32411** Analysis Date: **5/27/2021** SeqNo: **1362623**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	846	98.8	988.3	0	85.6	26.1	121				
Surr: 2-Fluorobiphenyl	16.4		19.77		82.9	50	150				
Surr: o-Terphenyl	21.3		19.77		108	50	150				

Sample ID: **2105317-007BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/24/2021** RunNo: **67507**
Client ID: **BATCH** Batch ID: **32411** Analysis Date: **5/27/2021** SeqNo: **1362625**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	105						0		30	
Heavy Oil	ND	105						0		30	
Total Petroleum Hydrocarbons	ND	210						0		30	

Work Order: 2105345
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2105317-007BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/24/2021** RunNo: **67507**
Client ID: **BATCH** Batch ID: **32411** Analysis Date: **5/27/2021** SeqNo: **1362625**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	18.3		21.03		87.0	50	150		0		
Surr: o-Terphenyl	19.9		21.03		94.8	50	150		0		

Sample ID: **2105345-004ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/24/2021** RunNo: **67507**
Client ID: **GEI-13-052121** Batch ID: **32411** Analysis Date: **5/27/2021** SeqNo: **1363034**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	98.7						0		30	
Heavy Oil	5,740	98.7						3,406	51.0	30	R
Total Petroleum Hydrocarbons	5,740	197						3,406	51.0	30	R
Surr: 2-Fluorobiphenyl	16.6		19.75		84.1	50	150		0		
Surr: o-Terphenyl	18.5		19.75		93.8	50	150		0		

NOTES:
R - High RPD due to suspected sample inhomogeneity.

Date: *5/28/2021*

Work Order: 2105345
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D SIM

Sample ID: **LCS-32458** SampType: **LCS** Units: **µg/L** Prep Date: **5/26/2021** RunNo: **67532**
Client ID: **LCSW** Batch ID: **32458** Analysis Date: **5/26/2021** SeqNo: **1361997**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	4.46	0.0100	5.000	0	89.1	52.6	121				
1,2-Dibromoethane (EDB)	4.82	0.0100	5.000	0	96.5	81.1	117				
Surr: Dibromofluoromethane	10.1		10.00		101	91.3	113				
Surr: Toluene-d8	10.0		10.00		100	91.4	107				
Surr: 1-Bromo-4-fluorobenzene	10.5		10.00		105	86.2	111				

Sample ID: **MB-32458** SampType: **MBLK** Units: **µg/L** Prep Date: **5/26/2021** RunNo: **67532**
Client ID: **MBLKW** Batch ID: **32458** Analysis Date: **5/26/2021** SeqNo: **1361999**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0100									
1,2-Dibromoethane (EDB)	ND	0.0100									
Surr: Dibromofluoromethane	9.63		10.00		96.3	91.3	113				
Surr: Toluene-d8	10.1		10.00		101	91.4	107				
Surr: 1-Bromo-4-fluorobenzene	9.85		10.00		98.5	86.2	111				

Sample ID: **2105345-003CDUP** SampType: **DUP** Units: **µg/L** Prep Date: **5/26/2021** RunNo: **67532**
Client ID: **GEI-12-052121** Batch ID: **32458** Analysis Date: **5/26/2021** SeqNo: **1361995**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.0100						0		30	
1,2-Dibromoethane (EDB)	ND	0.0100						0		30	
Surr: Dibromofluoromethane	9.81		10.00		98.1	91.3	113		0		
Surr: Toluene-d8	9.96		10.00		99.6	91.4	107		0		
Surr: 1-Bromo-4-fluorobenzene	9.77		10.00		97.7	86.2	111		0		

Work Order: 2105345
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D SIM

Sample ID: **2105345-002CMS** SampType: **MS** Units: **µg/L** Prep Date: **5/26/2021** RunNo: **67532**
Client ID: **GEI-11-052121** Batch ID: **32458** Analysis Date: **5/26/2021** SeqNo: **1361993**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	4.03	0.0100	5.000	0.008340	80.4	55.8	134				
1,2-Dibromoethane (EDB)	4.82	0.0100	5.000	0.004190	96.4	73.7	121				
Surr: Dibromofluoromethane	9.96		10.00		99.6	91.3	113				
Surr: Toluene-d8	9.94		10.00		99.4	91.4	107				
Surr: 1-Bromo-4-fluorobenzene	10.5		10.00		105	86.2	111				

Sample Log-In Check List

Client Name:	**AC**	Work Order Number:	**2105345**
Logged by:	**Carissa True**	Date Received:	**5/21/2021 3:30:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

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 ºC
Sample 1	4.6

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

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

Chain of Custody Record & Laboratory Services Agreement

Date: 5/21/21 Page: 1 of: 1

Laboratory Project No (internal): 2105345

Project Name: Swedish Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address: 710 2nd Ave Ste 550

Collected by: Rachel Cornwell

City, State, Zip: Seattle, WA 98104

Location:

Telephone: (206)-788-7557

Report To (PM): Sam Adlington

Sample Disposal: ☐ Return to client ☑ Disposal by lab (after 30 days)

Fax:

PM Email: sadlington@aspectconsulting.com

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic (D) Dissolved)*	SIM VOCs - EDB	SIM VOCs - Vinyl Chloride	Comments
1	GE1-10-052121	5/21/21	1040	GW	5					X							X	X	X	*Field Filtered turbidity high
2	GE1-11-052121	↓	1300	↓	↓					X							X	X	X	
3	GE1-12-052121		1400							X							X	X	X	turbidity high
4	GE1-13-052121		1430							X							X	X	X	turbidity high
5																				
6																				
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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Rachel C	Rachel Cornwell	5/21/21 1500	x Claire Anderson	Claire Anderson	5/21/21 1530
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Sam Adlington
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Swedish Block 95
Work Order Number: 2108360

September 01, 2021

Attention Sam Adlington:

Fremont Analytical, Inc. received 36 sample(s) on 8/25/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B
Volatile Organic Compounds by EPA Method 8260D

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

Date: *09/01/2021*

CLIENT: Aspect Consulting
Project: Swedish Block 95
Work Order: 2108360

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108360-001	B95-AB-21-2.5	08/25/2021 8:42 AM	08/25/2021 4:41 PM
2108360-002	B95-AB-21-5.0	08/25/2021 8:45 AM	08/25/2021 4:41 PM
2108360-003	B95-AB-21-7.5	08/25/2021 8:51 AM	08/25/2021 4:41 PM
2108360-004	B95-AB-21-10	08/25/2021 8:55 AM	08/25/2021 4:41 PM
2108360-005	B95-AB-21-15	08/25/2021 8:59 AM	08/25/2021 4:41 PM
2108360-006	B95-AB-21-20	08/25/2021 9:08 AM	08/25/2021 4:41 PM
2108360-007	B95-AB-21-25	08/25/2021 9:18 AM	08/25/2021 4:41 PM
2108360-008	B95-AB-20-2.5	08/25/2021 9:58 AM	08/25/2021 4:41 PM
2108360-009	B95-AB-20-5	08/25/2021 10:02 AM	08/25/2021 4:41 PM
2108360-010	B95-AB-20-7.5	08/25/2021 10:06 AM	08/25/2021 4:41 PM
2108360-011	B95-AB-20-10	08/25/2021 10:10 AM	08/25/2021 4:41 PM
2108360-012	B95-AB-20-15	08/25/2021 10:14 AM	08/25/2021 4:41 PM
2108360-013	B95-AB-20-20	08/25/2021 10:22 AM	08/25/2021 4:41 PM
2108360-014	B95-AB-20-25	08/25/2021 10:27 AM	08/25/2021 4:41 PM
2108360-015	B95-AB-22-2.5	08/25/2021 12:58 PM	08/25/2021 4:41 PM
2108360-016	B95-AB-22-5.0	08/25/2021 1:00 PM	08/25/2021 4:41 PM
2108360-017	B95-AB-22-7.5	08/25/2021 1:04 PM	08/25/2021 4:41 PM
2108360-018	B95-AB-22-10	08/25/2021 1:07 PM	08/25/2021 4:41 PM
2108360-019	B95-AB-22-15	08/25/2021 1:15 PM	08/25/2021 4:41 PM
2108360-020	B95-AB-22-20	08/25/2021 1:23 PM	08/25/2021 4:41 PM
2108360-021	B95-AB-22-25	08/25/2021 1:34 PM	08/25/2021 4:41 PM
2108360-022	B95-AB-19-2.5	08/25/2021 11:48 AM	08/25/2021 4:41 PM
2108360-023	B95-AB-19-5.0	08/25/2021 11:49 AM	08/25/2021 4:41 PM
2108360-024	B95-AB-19-7.5	08/25/2021 11:52 AM	08/25/2021 4:41 PM
2108360-025	B95-AB-19-10	08/25/2021 11:58 AM	08/25/2021 4:41 PM
2108360-026	B95-AB-19-15	08/25/2021 12:05 PM	08/25/2021 4:41 PM
2108360-027	B95-AB-19-20	08/25/2021 12:15 PM	08/25/2021 4:41 PM
2108360-028	B95-AB-19-25	08/25/2021 12:22 PM	08/25/2021 4:41 PM
2108360-029	B95-AB-18-2.5	08/25/2021 2:31 PM	08/25/2021 4:41 PM
2108360-030	B95-AB-18-5	08/25/2021 2:35 PM	08/25/2021 4:41 PM
2108360-031	B95-AB-18-7.5	08/25/2021 2:39 PM	08/25/2021 4:41 PM
2108360-032	B95-AB-18-10	08/25/2021 2:42 PM	08/25/2021 4:41 PM
2108360-033	B95-AB-18-15	08/25/2021 2:47 PM	08/25/2021 4:41 PM
2108360-034	B95-AB-18-20	08/25/2021 2:53 PM	08/25/2021 4:41 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Swedish Block 95
Work Order: 2108360

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108360-035	B95-AB-18-25	08/25/2021 3:00 PM	08/25/2021 4:41 PM
2108360-036	Trip Blank	08/23/2021 4:20 PM	08/25/2021 4:41 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2108360**

Date: **9/1/2021**

CLIENT: Aspect Consulting

Project: Swedish Block 95

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:

* - Associated LCS is outside of 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 Method Detection 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

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-002
Client Sample ID: B95-AB-21-5.0

Collection Date: 8/25/2021 8:45:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33501			Analyst: MM
Diesel (Fuel Oil)	ND	50.9	11.5		mg/Kg-dry	1	08/26/21 21:33:37
Heavy Oil	1,540	102	22.2		mg/Kg-dry	1	08/26/21 21:33:37
Total Petroleum Hydrocarbons	1,560	153	33.6		mg/Kg-dry	1	08/26/21 21:33:37
Surr: 2-Fluorobiphenyl	108	50 - 150			%Rec	1	08/26/21 21:33:37
Surr: o-Terphenyl	119	50 - 150			%Rec	1	08/26/21 21:33:37
Gasoline by NWTPH-Gx				Batch ID: 33539			Analyst: CR
Gasoline	ND	6.48	2.59		mg/Kg-dry	1	08/31/21 2:52:11
Stoddard Solvent/Mineral Spirits	20.9	6.48	0.997		mg/Kg-dry	1	08/31/21 2:52:11
Surr: Toluene-d8	95.8	65 - 135			%Rec	1	08/31/21 2:52:11
Surr: 4-Bromofluorobenzene	101	65 - 135			%Rec	1	08/31/21 2:52:11
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0648	0.00836	Q	mg/Kg-dry	1	08/31/21 2:52:11
Chloromethane	ND	0.104	0.0259	Q	mg/Kg-dry	1	08/31/21 2:52:11
Vinyl chloride	ND	0.0324	0.0131		mg/Kg-dry	1	08/31/21 2:52:11
Bromomethane	ND	0.194	0.0925		mg/Kg-dry	1	08/31/21 2:52:11
Trichlorofluoromethane (CFC-11)	ND	0.0648	0.0128		mg/Kg-dry	1	08/31/21 2:52:11
Chloroethane	ND	0.155	0.0430		mg/Kg-dry	1	08/31/21 2:52:11
1,1-Dichloroethene	ND	0.130	0.0601		mg/Kg-dry	1	08/31/21 2:52:11
Acetone	ND	0.648	0.0977		mg/Kg-dry	1	08/31/21 2:52:11
Methylene chloride	ND	0.0194	0.00908		mg/Kg-dry	1	08/31/21 2:52:11
trans-1,2-Dichloroethene	ND	0.0389	0.00562		mg/Kg-dry	1	08/31/21 2:52:11
Methyl tert-butyl ether (MTBE)	ND	0.0389	0.0136		mg/Kg-dry	1	08/31/21 2:52:11
1,1-Dichloroethane	ND	0.0324	0.0127		mg/Kg-dry	1	08/31/21 2:52:11
cis-1,2-Dichloroethene	ND	0.0324	0.00835		mg/Kg-dry	1	08/31/21 2:52:11
(MEK) 2-Butanone	0.149	0.583	0.141	J	mg/Kg-dry	1	08/31/21 2:52:11
Chloroform	ND	0.0324	0.0103		mg/Kg-dry	1	08/31/21 2:52:11
1,1,1-Trichloroethane (TCA)	ND	0.0324	0.00870		mg/Kg-dry	1	08/31/21 2:52:11
1,1-Dichloropropene	ND	0.0324	0.0123		mg/Kg-dry	1	08/31/21 2:52:11

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-002
Client Sample ID: B95-AB-21-5.0

Collection Date: 8/25/2021 8:45:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Carbon tetrachloride	ND	0.0972	0.00706		mg/Kg-dry	1	08/31/21 2:52:11
1,2-Dichloroethane (EDC)	ND	0.0298	0.00798		mg/Kg-dry	1	08/31/21 2:52:11
Benzene	ND	0.0259	0.0138		mg/Kg-dry	1	08/31/21 2:52:11
Trichloroethene (TCE)	ND	0.0259	0.0103		mg/Kg-dry	1	08/31/21 2:52:11
1,2-Dichloropropane	ND	0.0259	0.0110		mg/Kg-dry	1	08/31/21 2:52:11
Bromodichloromethane	ND	0.0324	0.00934		mg/Kg-dry	1	08/31/21 2:52:11
Dibromomethane	ND	0.0259	0.00752		mg/Kg-dry	1	08/31/21 2:52:11
cis-1,3-Dichloropropene	ND	0.104	0.00858		mg/Kg-dry	1	08/31/21 2:52:11
Toluene	ND	0.0389	0.00654		mg/Kg-dry	1	08/31/21 2:52:11
Trans-1,3-Dichloropropylene	ND	0.0648	0.00804		mg/Kg-dry	1	08/31/21 2:52:11
Methyl Isobutyl Ketone (MIBK)	0.180	0.0972	0.0362		mg/Kg-dry	1	08/31/21 2:52:11
1,1,2-Trichloroethane	ND	0.0220	0.00500		mg/Kg-dry	1	08/31/21 2:52:11
1,3-Dichloropropane	ND	0.0259	0.00372		mg/Kg-dry	1	08/31/21 2:52:11
Tetrachloroethene (PCE)	ND	0.0518	0.00611		mg/Kg-dry	1	08/31/21 2:52:11
Dibromochloromethane	ND	0.0259	0.00723		mg/Kg-dry	1	08/31/21 2:52:11
1,2-Dibromoethane (EDB)	ND	0.0130	0.00444		mg/Kg-dry	1	08/31/21 2:52:11
2-Hexanone (MBK)	ND	0.0777	0.0375		mg/Kg-dry	1	08/31/21 2:52:11
Chlorobenzene	ND	0.0324	0.00928		mg/Kg-dry	1	08/31/21 2:52:11
1,1,1,2-Tetrachloroethane	ND	0.0259	0.00593		mg/Kg-dry	1	08/31/21 2:52:11
Ethylbenzene	0.00954	0.0324	0.00523	J	mg/Kg-dry	1	08/31/21 2:52:11
m,p-Xylene	0.145	0.0648	0.00780		mg/Kg-dry	1	08/31/21 2:52:11
o-Xylene	0.163	0.0324	0.00464		mg/Kg-dry	1	08/31/21 2:52:11
Styrene	ND	0.0324	0.00390		mg/Kg-dry	1	08/31/21 2:52:11
Isopropylbenzene	ND	0.0389	0.00768		mg/Kg-dry	1	08/31/21 2:52:11
Bromoform	ND	0.0324	0.00611		mg/Kg-dry	1	08/31/21 2:52:11
1,1,2,2-Tetrachloroethane	ND	0.0194	0.00810		mg/Kg-dry	1	08/31/21 2:52:11
n-Propylbenzene	ND	0.0389	0.00632		mg/Kg-dry	1	08/31/21 2:52:11
Bromobenzene	ND	0.0389	0.00515		mg/Kg-dry	1	08/31/21 2:52:11
1,3,5-Trimethylbenzene	0.0107	0.0324	0.00611	J	mg/Kg-dry	1	08/31/21 2:52:11
2-Chlorotoluene	ND	0.0389	0.00721		mg/Kg-dry	1	08/31/21 2:52:11
4-Chlorotoluene	ND	0.0389	0.00707		mg/Kg-dry	1	08/31/21 2:52:11

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-002
Client Sample ID: B95-AB-21-5.0

Collection Date: 8/25/2021 8:45:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
tert-Butylbenzene	ND	0.0389	0.00682		mg/Kg-dry	1	08/31/21 2:52:11
1,2,3-Trichloropropane	ND	0.0324	0.0170		mg/Kg-dry	1	08/31/21 2:52:11
1,2,4-Trichlorobenzene	ND	0.0518	0.0102		mg/Kg-dry	1	08/31/21 2:52:11
sec-Butylbenzene	ND	0.0389	0.00858		mg/Kg-dry	1	08/31/21 2:52:11
4-Isopropyltoluene	ND	0.0389	0.00786		mg/Kg-dry	1	08/31/21 2:52:11
1,3-Dichlorobenzene	ND	0.0453	0.00926		mg/Kg-dry	1	08/31/21 2:52:11
1,4-Dichlorobenzene	ND	0.0389	0.00559		mg/Kg-dry	1	08/31/21 2:52:11
n-Butylbenzene	ND	0.0518	0.00915		mg/Kg-dry	1	08/31/21 2:52:11
1,2-Dichlorobenzene	ND	0.0389	0.00820		mg/Kg-dry	1	08/31/21 2:52:11
1,2-Dibromo-3-chloropropane	ND	0.0777	0.0162		mg/Kg-dry	1	08/31/21 2:52:11
1,2,4-Trimethylbenzene	ND	0.0324	0.00697		mg/Kg-dry	1	08/31/21 2:52:11
Hexachloro-1,3-butadiene	ND	0.0648	0.0161		mg/Kg-dry	1	08/31/21 2:52:11
Naphthalene	ND	0.130	0.0174		mg/Kg-dry	1	08/31/21 2:52:11
1,2,3-Trichlorobenzene	ND	0.0648	0.00832		mg/Kg-dry	1	08/31/21 2:52:11
Surr: Dibromofluoromethane	92.0	75.5 - 119	0		%Rec	1	08/31/21 2:52:11
Surr: Toluene-d8	102	82.4 - 115	0		%Rec	1	08/31/21 2:52:11
Surr: 1-Bromo-4-fluorobenzene	94.1	78.5 - 118	0		%Rec	1	08/31/21 2:52:11

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33503			Analyst: EH
Arsenic	33.5	0.103	0.0343		mg/Kg-dry	1	08/26/21 18:33:36
Sample Moisture (Percent Moisture)				Batch ID: R69497			Analyst: MCH
Percent Moisture	11.3	0.500	0.100		wt%	1	08/26/21 9:48:17

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-004
Client Sample ID: B95-AB-21-10

Collection Date: 8/25/2021 8:55:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33501			Analyst: MM
Diesel (Fuel Oil)	ND	46.6	10.5		mg/Kg-dry	1	08/26/21 21:59:17
Heavy Oil	57.1	93.1	20.3	J	mg/Kg-dry	1	08/26/21 21:59:17
Total Petroleum Hydrocarbons	57.1	140	30.8	J	mg/Kg-dry	1	08/26/21 21:59:17
Surr: 2-Fluorobiphenyl	96.8	50 - 150			%Rec	1	08/26/21 21:59:17
Surr: o-Terphenyl	109	50 - 150			%Rec	1	08/26/21 21:59:17
Gasoline by NWTPH-Gx				Batch ID: 33539			Analyst: CR
Gasoline	ND	5.18	2.07		mg/Kg-dry	1	08/31/21 3:23:02
Surr: Toluene-d8	98.9	65 - 135			%Rec	1	08/31/21 3:23:02
Surr: 4-Bromofluorobenzene	109	65 - 135			%Rec	1	08/31/21 3:23:02
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0518	0.00668	Q	mg/Kg-dry	1	08/31/21 3:23:02
Chloromethane	ND	0.0829	0.0207	Q	mg/Kg-dry	1	08/31/21 3:23:02
Vinyl chloride	ND	0.0259	0.0104		mg/Kg-dry	1	08/31/21 3:23:02
Bromomethane	ND	0.155	0.0740		mg/Kg-dry	1	08/31/21 3:23:02
Trichlorofluoromethane (CFC-11)	ND	0.0518	0.0103		mg/Kg-dry	1	08/31/21 3:23:02
Chloroethane	ND	0.124	0.0344		mg/Kg-dry	1	08/31/21 3:23:02
1,1-Dichloroethene	ND	0.104	0.0481		mg/Kg-dry	1	08/31/21 3:23:02
Acetone	ND	0.518	0.0781		mg/Kg-dry	1	08/31/21 3:23:02
Methylene chloride	ND	0.0155	0.00726		mg/Kg-dry	1	08/31/21 3:23:02
trans-1,2-Dichloroethene	ND	0.0311	0.00449		mg/Kg-dry	1	08/31/21 3:23:02
Methyl tert-butyl ether (MTBE)	ND	0.0311	0.0108		mg/Kg-dry	1	08/31/21 3:23:02
1,1-Dichloroethane	ND	0.0259	0.0102		mg/Kg-dry	1	08/31/21 3:23:02
cis-1,2-Dichloroethene	ND	0.0259	0.00668		mg/Kg-dry	1	08/31/21 3:23:02
(MEK) 2-Butanone	0.118	0.466	0.113	J	mg/Kg-dry	1	08/31/21 3:23:02
Chloroform	ND	0.0259	0.00824		mg/Kg-dry	1	08/31/21 3:23:02
1,1,1-Trichloroethane (TCA)	ND	0.0259	0.00696		mg/Kg-dry	1	08/31/21 3:23:02
1,1-Dichloropropene	ND	0.0259	0.00984		mg/Kg-dry	1	08/31/21 3:23:02
Carbon tetrachloride	ND	0.0777	0.00565		mg/Kg-dry	1	08/31/21 3:23:02

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-004
Client Sample ID: B95-AB-21-10

Collection Date: 8/25/2021 8:55:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2-Dichloroethane (EDC)	ND	0.0238	0.00639		mg/Kg-dry	1	08/31/21 3:23:02
Benzene	ND	0.0207	0.0110		mg/Kg-dry	1	08/31/21 3:23:02
Trichloroethene (TCE)	ND	0.0207	0.00827		mg/Kg-dry	1	08/31/21 3:23:02
1,2-Dichloropropane	ND	0.0207	0.00881		mg/Kg-dry	1	08/31/21 3:23:02
Bromodichloromethane	ND	0.0259	0.00747		mg/Kg-dry	1	08/31/21 3:23:02
Dibromomethane	ND	0.0207	0.00602		mg/Kg-dry	1	08/31/21 3:23:02
cis-1,3-Dichloropropene	ND	0.0829	0.00686		mg/Kg-dry	1	08/31/21 3:23:02
Toluene	ND	0.0311	0.00523		mg/Kg-dry	1	08/31/21 3:23:02
Trans-1,3-Dichloropropylene	ND	0.0518	0.00643		mg/Kg-dry	1	08/31/21 3:23:02
Methyl Isobutyl Ketone (MIBK)	ND	0.0777	0.0290		mg/Kg-dry	1	08/31/21 3:23:02
1,1,2-Trichloroethane	ND	0.0176	0.00400		mg/Kg-dry	1	08/31/21 3:23:02
1,3-Dichloropropane	ND	0.0207	0.00298		mg/Kg-dry	1	08/31/21 3:23:02
Tetrachloroethene (PCE)	ND	0.0415	0.00489		mg/Kg-dry	1	08/31/21 3:23:02
Dibromochloromethane	ND	0.0207	0.00579		mg/Kg-dry	1	08/31/21 3:23:02
1,2-Dibromoethane (EDB)	ND	0.0104	0.00355		mg/Kg-dry	1	08/31/21 3:23:02
2-Hexanone (MBK)	ND	0.0622	0.0300		mg/Kg-dry	1	08/31/21 3:23:02
Chlorobenzene	ND	0.0259	0.00743		mg/Kg-dry	1	08/31/21 3:23:02
1,1,1,2-Tetrachloroethane	ND	0.0207	0.00474		mg/Kg-dry	1	08/31/21 3:23:02
Ethylbenzene	ND	0.0259	0.00418		mg/Kg-dry	1	08/31/21 3:23:02
m,p-Xylene	ND	0.0518	0.00624		mg/Kg-dry	1	08/31/21 3:23:02
o-Xylene	ND	0.0259	0.00371		mg/Kg-dry	1	08/31/21 3:23:02
Styrene	ND	0.0259	0.00312		mg/Kg-dry	1	08/31/21 3:23:02
Isopropylbenzene	ND	0.0311	0.00614		mg/Kg-dry	1	08/31/21 3:23:02
Bromoform	ND	0.0259	0.00489		mg/Kg-dry	1	08/31/21 3:23:02
1,1,2,2-Tetrachloroethane	ND	0.0155	0.00648		mg/Kg-dry	1	08/31/21 3:23:02
n-Propylbenzene	ND	0.0311	0.00505		mg/Kg-dry	1	08/31/21 3:23:02
Bromobenzene	ND	0.0311	0.00412		mg/Kg-dry	1	08/31/21 3:23:02
1,3,5-Trimethylbenzene	ND	0.0259	0.00489		mg/Kg-dry	1	08/31/21 3:23:02
2-Chlorotoluene	ND	0.0311	0.00577		mg/Kg-dry	1	08/31/21 3:23:02
4-Chlorotoluene	ND	0.0311	0.00566		mg/Kg-dry	1	08/31/21 3:23:02
tert-Butylbenzene	ND	0.0311	0.00546		mg/Kg-dry	1	08/31/21 3:23:02

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-004
Client Sample ID: B95-AB-21-10

Collection Date: 8/25/2021 8:55:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2,3-Trichloropropane	ND	0.0259	0.0136		mg/Kg-dry	1	08/31/21 3:23:02
1,2,4-Trichlorobenzene	ND	0.0415	0.00818		mg/Kg-dry	1	08/31/21 3:23:02
sec-Butylbenzene	ND	0.0311	0.00686		mg/Kg-dry	1	08/31/21 3:23:02
4-Isopropyltoluene	ND	0.0311	0.00629		mg/Kg-dry	1	08/31/21 3:23:02
1,3-Dichlorobenzene	ND	0.0363	0.00740		mg/Kg-dry	1	08/31/21 3:23:02
1,4-Dichlorobenzene	ND	0.0311	0.00447		mg/Kg-dry	1	08/31/21 3:23:02
n-Butylbenzene	ND	0.0415	0.00732		mg/Kg-dry	1	08/31/21 3:23:02
1,2-Dichlorobenzene	ND	0.0311	0.00656		mg/Kg-dry	1	08/31/21 3:23:02
1,2-Dibromo-3-chloropropane	ND	0.0622	0.0129		mg/Kg-dry	1	08/31/21 3:23:02
1,2,4-Trimethylbenzene	ND	0.0259	0.00557		mg/Kg-dry	1	08/31/21 3:23:02
Hexachloro-1,3-butadiene	ND	0.0518	0.0129		mg/Kg-dry	1	08/31/21 3:23:02
Naphthalene	0.0448	0.104	0.0139	J	mg/Kg-dry	1	08/31/21 3:23:02
1,2,3-Trichlorobenzene	ND	0.0518	0.00665		mg/Kg-dry	1	08/31/21 3:23:02
Surr: Dibromofluoromethane	92.8	75.5 - 119	0		%Rec	1	08/31/21 3:23:02
Surr: Toluene-d8	99.1	82.4 - 115	0		%Rec	1	08/31/21 3:23:02
Surr: 1-Bromo-4-fluorobenzene	101	78.5 - 118	0		%Rec	1	08/31/21 3:23:02

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33503			Analyst: EH
Arsenic	3.88	0.0986	0.0330		mg/Kg-dry	1	08/26/21 18:05:46
Sample Moisture (Percent Moisture)				Batch ID: R69497			Analyst: MCH
Percent Moisture	5.63	0.500	0.100		wt%	1	08/26/21 9:48:17

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-006
Client Sample ID: B95-AB-21-20

Collection Date: 8/25/2021 9:08:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33501			Analyst: MM
Diesel (Fuel Oil)	ND	47.4	10.7		mg/Kg-dry	1	08/26/21 22:24:57
Heavy Oil	ND	94.9	20.7		mg/Kg-dry	1	08/26/21 22:24:57
Total Petroleum Hydrocarbons	ND	142	31.4		mg/Kg-dry	1	08/26/21 22:24:57
Surr: 2-Fluorobiphenyl	97.6	50 - 150			%Rec	1	08/26/21 22:24:57
Surr: o-Terphenyl	108	50 - 150			%Rec	1	08/26/21 22:24:57
Gasoline by NWTPH-Gx				Batch ID: 33539			Analyst: CR
Gasoline	7.97	9.47	3.78	J	mg/Kg-dry	1	08/31/21 3:53:54
Surr: Toluene-d8	95.3	65 - 135			%Rec	1	08/31/21 3:53:54
Surr: 4-Bromofluorobenzene	101	65 - 135			%Rec	1	08/31/21 3:53:54
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0947	0.0122	Q	mg/Kg-dry	1	08/31/21 3:53:54
Chloromethane	ND	0.151	0.0378	Q	mg/Kg-dry	1	08/31/21 3:53:54
Vinyl chloride	ND	0.0473	0.0191		mg/Kg-dry	1	08/31/21 3:53:54
Bromomethane	ND	0.284	0.135		mg/Kg-dry	1	08/31/21 3:53:54
Trichlorofluoromethane (CFC-11)	ND	0.0947	0.0187		mg/Kg-dry	1	08/31/21 3:53:54
Chloroethane	ND	0.227	0.0628		mg/Kg-dry	1	08/31/21 3:53:54
1,1-Dichloroethene	ND	0.189	0.0878		mg/Kg-dry	1	08/31/21 3:53:54
Acetone	ND	0.947	0.143		mg/Kg-dry	1	08/31/21 3:53:54
Methylene chloride	ND	0.0284	0.0133		mg/Kg-dry	1	08/31/21 3:53:54
trans-1,2-Dichloroethene	ND	0.0568	0.00821		mg/Kg-dry	1	08/31/21 3:53:54
Methyl tert-butyl ether (MTBE)	ND	0.0568	0.0198		mg/Kg-dry	1	08/31/21 3:53:54
1,1-Dichloroethane	ND	0.0473	0.0186		mg/Kg-dry	1	08/31/21 3:53:54
cis-1,2-Dichloroethene	ND	0.0473	0.0122		mg/Kg-dry	1	08/31/21 3:53:54
(MEK) 2-Butanone	ND	0.852	0.207		mg/Kg-dry	1	08/31/21 3:53:54
Chloroform	ND	0.0473	0.0150		mg/Kg-dry	1	08/31/21 3:53:54
1,1,1-Trichloroethane (TCA)	ND	0.0473	0.0127		mg/Kg-dry	1	08/31/21 3:53:54
1,1-Dichloropropene	ND	0.0473	0.0180		mg/Kg-dry	1	08/31/21 3:53:54
Carbon tetrachloride	ND	0.142	0.0103		mg/Kg-dry	1	08/31/21 3:53:54

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-006
Client Sample ID: B95-AB-21-20

Collection Date: 8/25/2021 9:08:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2-Dichloroethane (EDC)	ND	0.0435	0.0117		mg/Kg-dry	1	08/31/21 3:53:54
Benzene	ND	0.0379	0.0202		mg/Kg-dry	1	08/31/21 3:53:54
Trichloroethene (TCE)	ND	0.0379	0.0151		mg/Kg-dry	1	08/31/21 3:53:54
1,2-Dichloropropane	ND	0.0379	0.0161		mg/Kg-dry	1	08/31/21 3:53:54
Bromodichloromethane	ND	0.0473	0.0136		mg/Kg-dry	1	08/31/21 3:53:54
Dibromomethane	ND	0.0379	0.0110		mg/Kg-dry	1	08/31/21 3:53:54
cis-1,3-Dichloropropene	ND	0.151	0.0125		mg/Kg-dry	1	08/31/21 3:53:54
Toluene	ND	0.0568	0.00956		mg/Kg-dry	1	08/31/21 3:53:54
Trans-1,3-Dichloropropylene	ND	0.0947	0.0117		mg/Kg-dry	1	08/31/21 3:53:54
Methyl Isobutyl Ketone (MIBK)	ND	0.142	0.0529		mg/Kg-dry	1	08/31/21 3:53:54
1,1,2-Trichloroethane	ND	0.0322	0.00731		mg/Kg-dry	1	08/31/21 3:53:54
1,3-Dichloropropane	ND	0.0379	0.00544		mg/Kg-dry	1	08/31/21 3:53:54
Tetrachloroethene (PCE)	ND	0.0757	0.00892		mg/Kg-dry	1	08/31/21 3:53:54
Dibromochloromethane	ND	0.0379	0.0106		mg/Kg-dry	1	08/31/21 3:53:54
1,2-Dibromoethane (EDB)	ND	0.0189	0.00648		mg/Kg-dry	1	08/31/21 3:53:54
2-Hexanone (MBK)	ND	0.114	0.0548		mg/Kg-dry	1	08/31/21 3:53:54
Chlorobenzene	ND	0.0473	0.0136		mg/Kg-dry	1	08/31/21 3:53:54
1,1,1,2-Tetrachloroethane	ND	0.0379	0.00866		mg/Kg-dry	1	08/31/21 3:53:54
Ethylbenzene	ND	0.0473	0.00764		mg/Kg-dry	1	08/31/21 3:53:54
m,p-Xylene	ND	0.0947	0.0114		mg/Kg-dry	1	08/31/21 3:53:54
o-Xylene	ND	0.0473	0.00678		mg/Kg-dry	1	08/31/21 3:53:54
Styrene	ND	0.0473	0.00570		mg/Kg-dry	1	08/31/21 3:53:54
Isopropylbenzene	ND	0.0568	0.0112		mg/Kg-dry	1	08/31/21 3:53:54
Bromoform	ND	0.0473	0.00893		mg/Kg-dry	1	08/31/21 3:53:54
1,1,2,2-Tetrachloroethane	ND	0.0284	0.0118		mg/Kg-dry	1	08/31/21 3:53:54
n-Propylbenzene	ND	0.0568	0.00923		mg/Kg-dry	1	08/31/21 3:53:54
Bromobenzene	ND	0.0568	0.00752		mg/Kg-dry	1	08/31/21 3:53:54
1,3,5-Trimethylbenzene	ND	0.0473	0.00893		mg/Kg-dry	1	08/31/21 3:53:54
2-Chlorotoluene	ND	0.0568	0.0105		mg/Kg-dry	1	08/31/21 3:53:54
4-Chlorotoluene	ND	0.0568	0.0103		mg/Kg-dry	1	08/31/21 3:53:54
tert-Butylbenzene	ND	0.0568	0.00997		mg/Kg-dry	1	08/31/21 3:53:54

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-006
Client Sample ID: B95-AB-21-20

Collection Date: 8/25/2021 9:08:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2,3-Trichloropropane	ND	0.0473	0.0249		mg/Kg-dry	1	08/31/21 3:53:54
1,2,4-Trichlorobenzene	ND	0.0757	0.0149		mg/Kg-dry	1	08/31/21 3:53:54
sec-Butylbenzene	ND	0.0568	0.0125		mg/Kg-dry	1	08/31/21 3:53:54
4-Isopropyltoluene	ND	0.0568	0.0115		mg/Kg-dry	1	08/31/21 3:53:54
1,3-Dichlorobenzene	ND	0.0663	0.0135		mg/Kg-dry	1	08/31/21 3:53:54
1,4-Dichlorobenzene	ND	0.0568	0.00817		mg/Kg-dry	1	08/31/21 3:53:54
n-Butylbenzene	ND	0.0757	0.0134		mg/Kg-dry	1	08/31/21 3:53:54
1,2-Dichlorobenzene	ND	0.0568	0.0120		mg/Kg-dry	1	08/31/21 3:53:54
1,2-Dibromo-3-chloropropane	ND	0.114	0.0236		mg/Kg-dry	1	08/31/21 3:53:54
1,2,4-Trimethylbenzene	ND	0.0473	0.0102		mg/Kg-dry	1	08/31/21 3:53:54
Hexachloro-1,3-butadiene	ND	0.0947	0.0236		mg/Kg-dry	1	08/31/21 3:53:54
Naphthalene	0.0460	0.189	0.0254	J	mg/Kg-dry	1	08/31/21 3:53:54
1,2,3-Trichlorobenzene	ND	0.0947	0.0122		mg/Kg-dry	1	08/31/21 3:53:54
Surr: Dibromofluoromethane	94.6	75.5 - 119	0		%Rec	1	08/31/21 3:53:54
Surr: Toluene-d8	99.7	82.4 - 115	0		%Rec	1	08/31/21 3:53:54
Surr: 1-Bromo-4-fluorobenzene	93.9	78.5 - 118	0		%Rec	1	08/31/21 3:53:54

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33503			Analyst: EH
Arsenic	1.93	0.105	0.0350		mg/Kg-dry	1	08/26/21 18:50:20
Sample Moisture (Percent Moisture)				Batch ID: R69497			Analyst: MCH
Percent Moisture	9.66	0.500	0.100		wt%	1	08/26/21 9:48:17

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-009
Client Sample ID: B95-AB-20-5

Collection Date: 8/25/2021 10:02:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33501			Analyst: MM
Diesel (Fuel Oil)	ND	47.1	10.6		mg/Kg-dry	1	08/26/21 22:50:41
Heavy Oil	1,050	94.3	20.5		mg/Kg-dry	1	08/26/21 22:50:41
Total Petroleum Hydrocarbons	1,070	141	31.2		mg/Kg-dry	1	08/26/21 22:50:41
Surr: 2-Fluorobiphenyl	98.2	50 - 150			%Rec	1	08/26/21 22:50:41
Surr: o-Terphenyl	108	50 - 150			%Rec	1	08/26/21 22:50:41
Gasoline by NWTPH-Gx				Batch ID: 33539			Analyst: CR
Gasoline	ND	7.62	3.04		mg/Kg-dry	1	08/31/21 4:55:28
Stoddard Solvent/Mineral Spirits	14.0	7.62	1.17		mg/Kg-dry	1	08/31/21 4:55:28
Surr: Toluene-d8	96.9	65 - 135			%Rec	1	08/31/21 4:55:28
Surr: 4-Bromofluorobenzene	101	65 - 135			%Rec	1	08/31/21 4:55:28
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0762	0.00983	Q	mg/Kg-dry	1	08/31/21 4:55:28
Chloromethane	ND	0.122	0.0305	Q	mg/Kg-dry	1	08/31/21 4:55:28
Vinyl chloride	ND	0.0381	0.0154		mg/Kg-dry	1	08/31/21 4:55:28
Bromomethane	ND	0.229	0.109		mg/Kg-dry	1	08/31/21 4:55:28
Trichlorofluoromethane (CFC-11)	ND	0.0762	0.0151		mg/Kg-dry	1	08/31/21 4:55:28
Chloroethane	ND	0.183	0.0506		mg/Kg-dry	1	08/31/21 4:55:28
1,1-Dichloroethene	ND	0.152	0.0707		mg/Kg-dry	1	08/31/21 4:55:28
Acetone	ND	0.762	0.115		mg/Kg-dry	1	08/31/21 4:55:28
Methylene chloride	ND	0.0229	0.0107		mg/Kg-dry	1	08/31/21 4:55:28
trans-1,2-Dichloroethene	ND	0.0457	0.00661		mg/Kg-dry	1	08/31/21 4:55:28
Methyl tert-butyl ether (MTBE)	ND	0.0457	0.0159		mg/Kg-dry	1	08/31/21 4:55:28
1,1-Dichloroethane	ND	0.0381	0.0149		mg/Kg-dry	1	08/31/21 4:55:28
cis-1,2-Dichloroethene	ND	0.0381	0.00982		mg/Kg-dry	1	08/31/21 4:55:28
(MEK) 2-Butanone	ND	0.686	0.166		mg/Kg-dry	1	08/31/21 4:55:28
Chloroform	ND	0.0381	0.0121		mg/Kg-dry	1	08/31/21 4:55:28
1,1,1-Trichloroethane (TCA)	ND	0.0381	0.0102		mg/Kg-dry	1	08/31/21 4:55:28
1,1-Dichloropropene	ND	0.0381	0.0145		mg/Kg-dry	1	08/31/21 4:55:28

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-009
Client Sample ID: B95-AB-20-5

Collection Date: 8/25/2021 10:02:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Carbon tetrachloride	ND	0.114	0.00830		mg/Kg-dry	1	08/31/21 4:55:28
1,2-Dichloroethane (EDC)	ND	0.0351	0.00939		mg/Kg-dry	1	08/31/21 4:55:28
Benzene	ND	0.0305	0.0162		mg/Kg-dry	1	08/31/21 4:55:28
Trichloroethene (TCE)	ND	0.0305	0.0122		mg/Kg-dry	1	08/31/21 4:55:28
1,2-Dichloropropane	ND	0.0305	0.0130		mg/Kg-dry	1	08/31/21 4:55:28
Bromodichloromethane	ND	0.0381	0.0110		mg/Kg-dry	1	08/31/21 4:55:28
Dibromomethane	ND	0.0305	0.00885		mg/Kg-dry	1	08/31/21 4:55:28
cis-1,3-Dichloropropene	ND	0.122	0.0101		mg/Kg-dry	1	08/31/21 4:55:28
Toluene	ND	0.0457	0.00770		mg/Kg-dry	1	08/31/21 4:55:28
Trans-1,3-Dichloropropylene	ND	0.0762	0.00945		mg/Kg-dry	1	08/31/21 4:55:28
Methyl Isobutyl Ketone (MIBK)	0.133	0.114	0.0426		mg/Kg-dry	1	08/31/21 4:55:28
1,1,2-Trichloroethane	ND	0.0259	0.00589		mg/Kg-dry	1	08/31/21 4:55:28
1,3-Dichloropropane	ND	0.0305	0.00438		mg/Kg-dry	1	08/31/21 4:55:28
Tetrachloroethene (PCE)	ND	0.0610	0.00718		mg/Kg-dry	1	08/31/21 4:55:28
Dibromochloromethane	ND	0.0305	0.00851		mg/Kg-dry	1	08/31/21 4:55:28
1,2-Dibromoethane (EDB)	ND	0.0152	0.00522		mg/Kg-dry	1	08/31/21 4:55:28
2-Hexanone (MBK)	ND	0.0915	0.0441		mg/Kg-dry	1	08/31/21 4:55:28
Chlorobenzene	ND	0.0381	0.0109		mg/Kg-dry	1	08/31/21 4:55:28
1,1,1,2-Tetrachloroethane	ND	0.0305	0.00697		mg/Kg-dry	1	08/31/21 4:55:28
Ethylbenzene	ND	0.0381	0.00615		mg/Kg-dry	1	08/31/21 4:55:28
m,p-Xylene	0.0351	0.0762	0.00917	J	mg/Kg-dry	1	08/31/21 4:55:28
o-Xylene	0.0910	0.0381	0.00546		mg/Kg-dry	1	08/31/21 4:55:28
Styrene	ND	0.0381	0.00459		mg/Kg-dry	1	08/31/21 4:55:28
Isopropylbenzene	ND	0.0457	0.00903		mg/Kg-dry	1	08/31/21 4:55:28
Bromoform	ND	0.0381	0.00719		mg/Kg-dry	1	08/31/21 4:55:28
1,1,2,2-Tetrachloroethane	ND	0.0229	0.00952		mg/Kg-dry	1	08/31/21 4:55:28
n-Propylbenzene	ND	0.0457	0.00743		mg/Kg-dry	1	08/31/21 4:55:28
Bromobenzene	ND	0.0457	0.00605		mg/Kg-dry	1	08/31/21 4:55:28
1,3,5-Trimethylbenzene	ND	0.0381	0.00719		mg/Kg-dry	1	08/31/21 4:55:28
2-Chlorotoluene	ND	0.0457	0.00848		mg/Kg-dry	1	08/31/21 4:55:28
4-Chlorotoluene	ND	0.0457	0.00832		mg/Kg-dry	1	08/31/21 4:55:28

Original

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-009
Client Sample ID: B95-AB-20-5

Collection Date: 8/25/2021 10:02:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
tert-Butylbenzene	ND	0.0457	0.00803		mg/Kg-dry	1	08/31/21 4:55:28
1,2,3-Trichloropropane	ND	0.0381	0.0200		mg/Kg-dry	1	08/31/21 4:55:28
1,2,4-Trichlorobenzene	ND	0.0610	0.0120		mg/Kg-dry	1	08/31/21 4:55:28
sec-Butylbenzene	ND	0.0457	0.0101		mg/Kg-dry	1	08/31/21 4:55:28
4-Isopropyltoluene	ND	0.0457	0.00925		mg/Kg-dry	1	08/31/21 4:55:28
1,3-Dichlorobenzene	ND	0.0533	0.0109		mg/Kg-dry	1	08/31/21 4:55:28
1,4-Dichlorobenzene	ND	0.0457	0.00658		mg/Kg-dry	1	08/31/21 4:55:28
n-Butylbenzene	ND	0.0610	0.0108		mg/Kg-dry	1	08/31/21 4:55:28
1,2-Dichlorobenzene	ND	0.0457	0.00965		mg/Kg-dry	1	08/31/21 4:55:28
1,2-Dibromo-3-chloropropane	ND	0.0915	0.0190		mg/Kg-dry	1	08/31/21 4:55:28
1,2,4-Trimethylbenzene	ND	0.0381	0.00820		mg/Kg-dry	1	08/31/21 4:55:28
Hexachloro-1,3-butadiene	ND	0.0762	0.0190		mg/Kg-dry	1	08/31/21 4:55:28
Naphthalene	ND	0.152	0.0204		mg/Kg-dry	1	08/31/21 4:55:28
1,2,3-Trichlorobenzene	ND	0.0762	0.00978		mg/Kg-dry	1	08/31/21 4:55:28
Surr: Dibromofluoromethane	88.9	75.5 - 119	0		%Rec	1	08/31/21 4:55:28
Surr: Toluene-d8	103	82.4 - 115	0		%Rec	1	08/31/21 4:55:28
Surr: 1-Bromo-4-fluorobenzene	94.2	78.5 - 118	0		%Rec	1	08/31/21 4:55:28

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33503			Analyst: EH
Arsenic	36.4	0.105	0.0351		mg/Kg-dry	1	08/26/21 18:55:54
Sample Moisture (Percent Moisture)				Batch ID: R69497			Analyst: MCH
Percent Moisture	10.4	0.500	0.100		wt%	1	08/26/21 9:48:17

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-011
Client Sample ID: B95-AB-20-10

Collection Date: 8/25/2021 10:10:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33501			Analyst: MM
Diesel (Fuel Oil)	ND	53.5	12.1		mg/Kg-dry	1	08/26/21 23:16:16
Heavy Oil	67.9	107	23.3	J	mg/Kg-dry	1	08/26/21 23:16:16
Total Petroleum Hydrocarbons	67.9	160	35.4	J	mg/Kg-dry	1	08/26/21 23:16:16
Surr: 2-Fluorobiphenyl	93.8	50 - 150			%Rec	1	08/26/21 23:16:16
Surr: o-Terphenyl	104	50 - 150			%Rec	1	08/26/21 23:16:16
Gasoline by NWTPH-Gx				Batch ID: 33539			Analyst: CR
Gasoline	ND	7.56	3.02		mg/Kg-dry	1	08/31/21 5:26:19
Surr: Toluene-d8	97.9	65 - 135			%Rec	1	08/31/21 5:26:19
Surr: 4-Bromofluorobenzene	115	65 - 135			%Rec	1	08/31/21 5:26:19
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0756	0.00975	Q	mg/Kg-dry	1	08/31/21 5:26:19
Chloromethane	ND	0.121	0.0302	Q	mg/Kg-dry	1	08/31/21 5:26:19
Vinyl chloride	ND	0.0378	0.0152		mg/Kg-dry	1	08/31/21 5:26:19
Bromomethane	ND	0.227	0.108		mg/Kg-dry	1	08/31/21 5:26:19
Trichlorofluoromethane (CFC-11)	ND	0.0756	0.0150		mg/Kg-dry	1	08/31/21 5:26:19
Chloroethane	ND	0.181	0.0502		mg/Kg-dry	1	08/31/21 5:26:19
1,1-Dichloroethene	ND	0.151	0.0701		mg/Kg-dry	1	08/31/21 5:26:19
Acetone	ND	0.756	0.114		mg/Kg-dry	1	08/31/21 5:26:19
Methylene chloride	ND	0.0227	0.0106		mg/Kg-dry	1	08/31/21 5:26:19
trans-1,2-Dichloroethene	ND	0.0453	0.00655		mg/Kg-dry	1	08/31/21 5:26:19
Methyl tert-butyl ether (MTBE)	ND	0.0453	0.0158		mg/Kg-dry	1	08/31/21 5:26:19
1,1-Dichloroethane	ND	0.0378	0.0148		mg/Kg-dry	1	08/31/21 5:26:19
cis-1,2-Dichloroethene	ND	0.0378	0.00974		mg/Kg-dry	1	08/31/21 5:26:19
(MEK) 2-Butanone	ND	0.680	0.165		mg/Kg-dry	1	08/31/21 5:26:19
Chloroform	ND	0.0378	0.0120		mg/Kg-dry	1	08/31/21 5:26:19
1,1,1-Trichloroethane (TCA)	ND	0.0378	0.0101		mg/Kg-dry	1	08/31/21 5:26:19
1,1-Dichloropropene	ND	0.0378	0.0143		mg/Kg-dry	1	08/31/21 5:26:19
Carbon tetrachloride	ND	0.113	0.00823		mg/Kg-dry	1	08/31/21 5:26:19

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-011
Client Sample ID: B95-AB-20-10

Collection Date: 8/25/2021 10:10:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2-Dichloroethane (EDC)	ND	0.0348	0.00931		mg/Kg-dry	1	08/31/21 5:26:19
Benzene	ND	0.0302	0.0161		mg/Kg-dry	1	08/31/21 5:26:19
Trichloroethene (TCE)	ND	0.0302	0.0121		mg/Kg-dry	1	08/31/21 5:26:19
1,2-Dichloropropane	ND	0.0302	0.0129		mg/Kg-dry	1	08/31/21 5:26:19
Bromodichloromethane	ND	0.0378	0.0109		mg/Kg-dry	1	08/31/21 5:26:19
Dibromomethane	ND	0.0302	0.00877		mg/Kg-dry	1	08/31/21 5:26:19
cis-1,3-Dichloropropene	ND	0.121	0.0100		mg/Kg-dry	1	08/31/21 5:26:19
Toluene	ND	0.0453	0.00763		mg/Kg-dry	1	08/31/21 5:26:19
Trans-1,3-Dichloropropylene	ND	0.0756	0.00937		mg/Kg-dry	1	08/31/21 5:26:19
Methyl Isobutyl Ketone (MIBK)	ND	0.113	0.0423		mg/Kg-dry	1	08/31/21 5:26:19
1,1,2-Trichloroethane	ND	0.0257	0.00584		mg/Kg-dry	1	08/31/21 5:26:19
1,3-Dichloropropane	ND	0.0302	0.00434		mg/Kg-dry	1	08/31/21 5:26:19
Tetrachloroethene (PCE)	ND	0.0604	0.00712		mg/Kg-dry	1	08/31/21 5:26:19
Dibromochloromethane	ND	0.0302	0.00844		mg/Kg-dry	1	08/31/21 5:26:19
1,2-Dibromoethane (EDB)	ND	0.0151	0.00517		mg/Kg-dry	1	08/31/21 5:26:19
2-Hexanone (MBK)	ND	0.0907	0.0437		mg/Kg-dry	1	08/31/21 5:26:19
Chlorobenzene	ND	0.0378	0.0108		mg/Kg-dry	1	08/31/21 5:26:19
1,1,1,2-Tetrachloroethane	ND	0.0302	0.00691		mg/Kg-dry	1	08/31/21 5:26:19
Ethylbenzene	ND	0.0378	0.00610		mg/Kg-dry	1	08/31/21 5:26:19
m,p-Xylene	ND	0.0756	0.00909		mg/Kg-dry	1	08/31/21 5:26:19
o-Xylene	ND	0.0378	0.00541		mg/Kg-dry	1	08/31/21 5:26:19
Styrene	ND	0.0378	0.00455		mg/Kg-dry	1	08/31/21 5:26:19
Isopropylbenzene	ND	0.0453	0.00896		mg/Kg-dry	1	08/31/21 5:26:19
Bromoform	ND	0.0378	0.00713		mg/Kg-dry	1	08/31/21 5:26:19
1,1,2,2-Tetrachloroethane	ND	0.0227	0.00944		mg/Kg-dry	1	08/31/21 5:26:19
n-Propylbenzene	ND	0.0453	0.00737		mg/Kg-dry	1	08/31/21 5:26:19
Bromobenzene	ND	0.0453	0.00600		mg/Kg-dry	1	08/31/21 5:26:19
1,3,5-Trimethylbenzene	ND	0.0378	0.00713		mg/Kg-dry	1	08/31/21 5:26:19
2-Chlorotoluene	ND	0.0453	0.00841		mg/Kg-dry	1	08/31/21 5:26:19
4-Chlorotoluene	ND	0.0453	0.00825		mg/Kg-dry	1	08/31/21 5:26:19
tert-Butylbenzene	ND	0.0453	0.00796		mg/Kg-dry	1	08/31/21 5:26:19

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-011
Client Sample ID: B95-AB-20-10

Collection Date: 8/25/2021 10:10:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2,3-Trichloropropane	ND	0.0378	0.0199		mg/Kg-dry	1	08/31/21 5:26:19
1,2,4-Trichlorobenzene	ND	0.0604	0.0119		mg/Kg-dry	1	08/31/21 5:26:19
sec-Butylbenzene	ND	0.0453	0.0100		mg/Kg-dry	1	08/31/21 5:26:19
4-Isopropyltoluene	ND	0.0453	0.00917		mg/Kg-dry	1	08/31/21 5:26:19
1,3-Dichlorobenzene	ND	0.0529	0.0108		mg/Kg-dry	1	08/31/21 5:26:19
1,4-Dichlorobenzene	ND	0.0453	0.00652		mg/Kg-dry	1	08/31/21 5:26:19
n-Butylbenzene	ND	0.0604	0.0107		mg/Kg-dry	1	08/31/21 5:26:19
1,2-Dichlorobenzene	ND	0.0453	0.00957		mg/Kg-dry	1	08/31/21 5:26:19
1,2-Dibromo-3-chloropropane	ND	0.0907	0.0189		mg/Kg-dry	1	08/31/21 5:26:19
1,2,4-Trimethylbenzene	ND	0.0378	0.00813		mg/Kg-dry	1	08/31/21 5:26:19
Hexachloro-1,3-butadiene	ND	0.0756	0.0188		mg/Kg-dry	1	08/31/21 5:26:19
Naphthalene	ND	0.151	0.0202		mg/Kg-dry	1	08/31/21 5:26:19
1,2,3-Trichlorobenzene	ND	0.0756	0.00970		mg/Kg-dry	1	08/31/21 5:26:19
Surr: Dibromofluoromethane	91.7	75.5 - 119	0		%Rec	1	08/31/21 5:26:19
Surr: Toluene-d8	98.9	82.4 - 115	0		%Rec	1	08/31/21 5:26:19
Surr: 1-Bromo-4-fluorobenzene	107	78.5 - 118	0		%Rec	1	08/31/21 5:26:19

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33503			Analyst: EH
Arsenic	4.14	0.102	0.0343		mg/Kg-dry	1	08/26/21 19:01:28
Sample Moisture (Percent Moisture)				Batch ID: R69497			Analyst: MCH
Percent Moisture	7.77	0.500	0.100		wt%	1	08/26/21 9:48:17

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-013
Client Sample ID: B95-AB-20-20

Collection Date: 8/25/2021 10:22:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33501			Analyst: MM
Diesel (Fuel Oil)	ND	46.3	10.4		mg/Kg-dry	1	08/26/21 23:42:01
Heavy Oil	ND	92.7	20.2		mg/Kg-dry	1	08/26/21 23:42:01
Total Petroleum Hydrocarbons	ND	139	30.6		mg/Kg-dry	1	08/26/21 23:42:01
Surr: 2-Fluorobiphenyl	86.2	50 - 150			%Rec	1	08/26/21 23:42:01
Surr: o-Terphenyl	102	50 - 150			%Rec	1	08/26/21 23:42:01
Gasoline by NWTPH-Gx				Batch ID: 33539			Analyst: CR
Gasoline	ND	5.39	2.15		mg/Kg-dry	1	08/31/21 6:28:02
Surr: Toluene-d8	96.6	65 - 135			%Rec	1	08/31/21 6:28:02
Surr: 4-Bromofluorobenzene	115	65 - 135			%Rec	1	08/31/21 6:28:02
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0539	0.00696	Q	mg/Kg-dry	1	08/31/21 6:28:02
Chloromethane	ND	0.0863	0.0215	Q	mg/Kg-dry	1	08/31/21 6:28:02
Vinyl chloride	ND	0.0270	0.0109		mg/Kg-dry	1	08/31/21 6:28:02
Bromomethane	ND	0.162	0.0770		mg/Kg-dry	1	08/31/21 6:28:02
Trichlorofluoromethane (CFC-11)	ND	0.0539	0.0107		mg/Kg-dry	1	08/31/21 6:28:02
Chloroethane	ND	0.129	0.0358		mg/Kg-dry	1	08/31/21 6:28:02
1,1-Dichloroethene	ND	0.108	0.0500		mg/Kg-dry	1	08/31/21 6:28:02
Acetone	ND	0.539	0.0813		mg/Kg-dry	1	08/31/21 6:28:02
Methylene chloride	ND	0.0162	0.00756		mg/Kg-dry	1	08/31/21 6:28:02
trans-1,2-Dichloroethene	ND	0.0324	0.00468		mg/Kg-dry	1	08/31/21 6:28:02
Methyl tert-butyl ether (MTBE)	ND	0.0324	0.0113		mg/Kg-dry	1	08/31/21 6:28:02
1,1-Dichloroethane	ND	0.0270	0.0106		mg/Kg-dry	1	08/31/21 6:28:02
cis-1,2-Dichloroethene	ND	0.0270	0.00695		mg/Kg-dry	1	08/31/21 6:28:02
(MEK) 2-Butanone	ND	0.485	0.118		mg/Kg-dry	1	08/31/21 6:28:02
Chloroform	ND	0.0270	0.00857		mg/Kg-dry	1	08/31/21 6:28:02
1,1,1-Trichloroethane (TCA)	ND	0.0270	0.00724		mg/Kg-dry	1	08/31/21 6:28:02
1,1-Dichloropropene	ND	0.0270	0.0102		mg/Kg-dry	1	08/31/21 6:28:02
Carbon tetrachloride	ND	0.0809	0.00588		mg/Kg-dry	1	08/31/21 6:28:02

Original

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-013
Client Sample ID: B95-AB-20-20

Collection Date: 8/25/2021 10:22:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2-Dichloroethane (EDC)	ND	0.0248	0.00665		mg/Kg-dry	1	08/31/21 6:28:02
Benzene	ND	0.0216	0.0115		mg/Kg-dry	1	08/31/21 6:28:02
Trichloroethene (TCE)	ND	0.0216	0.00860		mg/Kg-dry	1	08/31/21 6:28:02
1,2-Dichloropropane	ND	0.0216	0.00917		mg/Kg-dry	1	08/31/21 6:28:02
Bromodichloromethane	ND	0.0270	0.00777		mg/Kg-dry	1	08/31/21 6:28:02
Dibromomethane	ND	0.0216	0.00626		mg/Kg-dry	1	08/31/21 6:28:02
cis-1,3-Dichloropropene	ND	0.0863	0.00714		mg/Kg-dry	1	08/31/21 6:28:02
Toluene	ND	0.0324	0.00545		mg/Kg-dry	1	08/31/21 6:28:02
Trans-1,3-Dichloropropylene	ND	0.0539	0.00669		mg/Kg-dry	1	08/31/21 6:28:02
Methyl Isobutyl Ketone (MIBK)	ND	0.0809	0.0302		mg/Kg-dry	1	08/31/21 6:28:02
1,1,2-Trichloroethane	ND	0.0183	0.00416		mg/Kg-dry	1	08/31/21 6:28:02
1,3-Dichloropropane	ND	0.0216	0.00310		mg/Kg-dry	1	08/31/21 6:28:02
Tetrachloroethene (PCE)	ND	0.0431	0.00508		mg/Kg-dry	1	08/31/21 6:28:02
Dibromochloromethane	ND	0.0216	0.00602		mg/Kg-dry	1	08/31/21 6:28:02
1,2-Dibromoethane (EDB)	ND	0.0108	0.00369		mg/Kg-dry	1	08/31/21 6:28:02
2-Hexanone (MBK)	ND	0.0647	0.0312		mg/Kg-dry	1	08/31/21 6:28:02
Chlorobenzene	ND	0.0270	0.00773		mg/Kg-dry	1	08/31/21 6:28:02
1,1,1,2-Tetrachloroethane	ND	0.0216	0.00493		mg/Kg-dry	1	08/31/21 6:28:02
Ethylbenzene	ND	0.0270	0.00435		mg/Kg-dry	1	08/31/21 6:28:02
m,p-Xylene	ND	0.0539	0.00649		mg/Kg-dry	1	08/31/21 6:28:02
o-Xylene	ND	0.0270	0.00386		mg/Kg-dry	1	08/31/21 6:28:02
Styrene	ND	0.0270	0.00325		mg/Kg-dry	1	08/31/21 6:28:02
Isopropylbenzene	ND	0.0324	0.00639		mg/Kg-dry	1	08/31/21 6:28:02
Bromoform	ND	0.0270	0.00508		mg/Kg-dry	1	08/31/21 6:28:02
1,1,2,2-Tetrachloroethane	ND	0.0162	0.00674		mg/Kg-dry	1	08/31/21 6:28:02
n-Propylbenzene	ND	0.0324	0.00526		mg/Kg-dry	1	08/31/21 6:28:02
Bromobenzene	ND	0.0324	0.00428		mg/Kg-dry	1	08/31/21 6:28:02
1,3,5-Trimethylbenzene	ND	0.0270	0.00509		mg/Kg-dry	1	08/31/21 6:28:02
2-Chlorotoluene	ND	0.0324	0.00600		mg/Kg-dry	1	08/31/21 6:28:02
4-Chlorotoluene	ND	0.0324	0.00589		mg/Kg-dry	1	08/31/21 6:28:02
tert-Butylbenzene	ND	0.0324	0.00568		mg/Kg-dry	1	08/31/21 6:28:02

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Collection Date: 8/25/2021 10:22:00 AM
Project: Swedish Block 95
Lab ID: 2108360-013
Matrix: Soil
Client Sample ID: B95-AB-20-20

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2,3-Trichloropropane	ND	0.0270	0.0142		mg/Kg-dry	1	08/31/21 6:28:02
1,2,4-Trichlorobenzene	ND	0.0431	0.00851		mg/Kg-dry	1	08/31/21 6:28:02
sec-Butylbenzene	ND	0.0324	0.00714		mg/Kg-dry	1	08/31/21 6:28:02
4-Isopropyltoluene	ND	0.0324	0.00654		mg/Kg-dry	1	08/31/21 6:28:02
1,3-Dichlorobenzene	ND	0.0377	0.00770		mg/Kg-dry	1	08/31/21 6:28:02
1,4-Dichlorobenzene	ND	0.0324	0.00466		mg/Kg-dry	1	08/31/21 6:28:02
n-Butylbenzene	ND	0.0431	0.00761		mg/Kg-dry	1	08/31/21 6:28:02
1,2-Dichlorobenzene	ND	0.0324	0.00683		mg/Kg-dry	1	08/31/21 6:28:02
1,2-Dibromo-3-chloropropane	ND	0.0647	0.0135		mg/Kg-dry	1	08/31/21 6:28:02
1,2,4-Trimethylbenzene	ND	0.0270	0.00580		mg/Kg-dry	1	08/31/21 6:28:02
Hexachloro-1,3-butadiene	ND	0.0539	0.0134		mg/Kg-dry	1	08/31/21 6:28:02
Naphthalene	ND	0.108	0.0144		mg/Kg-dry	1	08/31/21 6:28:02
1,2,3-Trichlorobenzene	ND	0.0539	0.00692		mg/Kg-dry	1	08/31/21 6:28:02
Surr: Dibromofluoromethane	91.2	75.5 - 119	0		%Rec	1	08/31/21 6:28:02
Surr: Toluene-d8	99.9	82.4 - 115	0		%Rec	1	08/31/21 6:28:02
Surr: 1-Bromo-4-fluorobenzene	107	78.5 - 118	0		%Rec	1	08/31/21 6:28:02

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33503			Analyst: EH
Arsenic	2.85	0.103	0.0345		mg/Kg-dry	1	08/26/21 19:07:02
Sample Moisture (Percent Moisture)				Batch ID: R69497			Analyst: MCH
Percent Moisture	7.56	0.500	0.100		wt%	1	08/26/21 9:48:17

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-016
Client Sample ID: B95-AB-22-5.0

Collection Date: 8/25/2021 1:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33501			Analyst: MM
Diesel (Fuel Oil)	ND	51.5	11.6		mg/Kg-dry	1	08/27/21 0:07:39
Heavy Oil	1,390	103	22.4		mg/Kg-dry	1	08/27/21 0:07:39
Total Petroleum Hydrocarbons	1,390	154	34.1		mg/Kg-dry	1	08/27/21 0:07:39
Surr: 2-Fluorobiphenyl	111	50 - 150			%Rec	1	08/27/21 0:07:39
Surr: o-Terphenyl	122	50 - 150			%Rec	1	08/27/21 0:07:39
Gasoline by NWTPH-Gx				Batch ID: 33539			Analyst: CR
Gasoline	7.55	12.0	4.81	J	mg/Kg-dry	1	08/31/21 6:58:53
Surr: Toluene-d8	97.6	65 - 135			%Rec	1	08/31/21 6:58:53
Surr: 4-Bromofluorobenzene	105	65 - 135			%Rec	1	08/31/21 6:58:53
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.120	0.0155	Q	mg/Kg-dry	1	08/31/21 6:58:53
Chloromethane	ND	0.193	0.0481	Q	mg/Kg-dry	1	08/31/21 6:58:53
Vinyl chloride	ND	0.0602	0.0243		mg/Kg-dry	1	08/31/21 6:58:53
Bromomethane	ND	0.361	0.172		mg/Kg-dry	1	08/31/21 6:58:53
Trichlorofluoromethane (CFC-11)	ND	0.120	0.0238		mg/Kg-dry	1	08/31/21 6:58:53
Chloroethane	ND	0.289	0.0800		mg/Kg-dry	1	08/31/21 6:58:53
1,1-Dichloroethene	ND	0.241	0.112		mg/Kg-dry	1	08/31/21 6:58:53
Acetone	ND	1.20	0.182		mg/Kg-dry	1	08/31/21 6:58:53
Methylene chloride	ND	0.0361	0.0169		mg/Kg-dry	1	08/31/21 6:58:53
trans-1,2-Dichloroethene	ND	0.0723	0.0105		mg/Kg-dry	1	08/31/21 6:58:53
Methyl tert-butyl ether (MTBE)	ND	0.0723	0.0252		mg/Kg-dry	1	08/31/21 6:58:53
1,1-Dichloroethane	ND	0.0602	0.0236		mg/Kg-dry	1	08/31/21 6:58:53
cis-1,2-Dichloroethene	ND	0.0602	0.0155		mg/Kg-dry	1	08/31/21 6:58:53
(MEK) 2-Butanone	ND	1.08	0.263		mg/Kg-dry	1	08/31/21 6:58:53
Chloroform	ND	0.0602	0.0192		mg/Kg-dry	1	08/31/21 6:58:53
1,1,1-Trichloroethane (TCA)	ND	0.0602	0.0162		mg/Kg-dry	1	08/31/21 6:58:53
1,1-Dichloropropene	ND	0.0602	0.0229		mg/Kg-dry	1	08/31/21 6:58:53
Carbon tetrachloride	ND	0.181	0.0131		mg/Kg-dry	1	08/31/21 6:58:53

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-016
Client Sample ID: B95-AB-22-5.0

Collection Date: 8/25/2021 1:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2-Dichloroethane (EDC)	ND	0.0554	0.0148		mg/Kg-dry	1	08/31/21 6:58:53
Benzene	ND	0.0482	0.0256		mg/Kg-dry	1	08/31/21 6:58:53
Trichloroethene (TCE)	ND	0.0482	0.0192		mg/Kg-dry	1	08/31/21 6:58:53
1,2-Dichloropropane	ND	0.0482	0.0205		mg/Kg-dry	1	08/31/21 6:58:53
Bromodichloromethane	ND	0.0602	0.0174		mg/Kg-dry	1	08/31/21 6:58:53
Dibromomethane	ND	0.0482	0.0140		mg/Kg-dry	1	08/31/21 6:58:53
cis-1,3-Dichloropropene	ND	0.193	0.0160		mg/Kg-dry	1	08/31/21 6:58:53
Toluene	ND	0.0723	0.0122		mg/Kg-dry	1	08/31/21 6:58:53
Trans-1,3-Dichloropropylene	ND	0.120	0.0149		mg/Kg-dry	1	08/31/21 6:58:53
Methyl Isobutyl Ketone (MIBK)	0.0752	0.181	0.0674	J	mg/Kg-dry	1	08/31/21 6:58:53
1,1,2-Trichloroethane	ND	0.0410	0.00931		mg/Kg-dry	1	08/31/21 6:58:53
1,3-Dichloropropane	ND	0.0482	0.00692		mg/Kg-dry	1	08/31/21 6:58:53
Tetrachloroethene (PCE)	ND	0.0964	0.0114		mg/Kg-dry	1	08/31/21 6:58:53
Dibromochloromethane	ND	0.0482	0.0135		mg/Kg-dry	1	08/31/21 6:58:53
1,2-Dibromoethane (EDB)	ND	0.0241	0.00825		mg/Kg-dry	1	08/31/21 6:58:53
2-Hexanone (MBK)	ND	0.145	0.0697		mg/Kg-dry	1	08/31/21 6:58:53
Chlorobenzene	ND	0.0602	0.0173		mg/Kg-dry	1	08/31/21 6:58:53
1,1,1,2-Tetrachloroethane	ND	0.0482	0.0110		mg/Kg-dry	1	08/31/21 6:58:53
Ethylbenzene	ND	0.0602	0.00973		mg/Kg-dry	1	08/31/21 6:58:53
m,p-Xylene	0.0207	0.120	0.0145	J	mg/Kg-dry	1	08/31/21 6:58:53
o-Xylene	0.0499	0.0602	0.00863	J	mg/Kg-dry	1	08/31/21 6:58:53
Styrene	ND	0.0602	0.00726		mg/Kg-dry	1	08/31/21 6:58:53
Isopropylbenzene	ND	0.0723	0.0143		mg/Kg-dry	1	08/31/21 6:58:53
Bromoform	ND	0.0602	0.0114		mg/Kg-dry	1	08/31/21 6:58:53
1,1,2,2-Tetrachloroethane	ND	0.0361	0.0151		mg/Kg-dry	1	08/31/21 6:58:53
n-Propylbenzene	ND	0.0723	0.0118		mg/Kg-dry	1	08/31/21 6:58:53
Bromobenzene	ND	0.0723	0.00957		mg/Kg-dry	1	08/31/21 6:58:53
1,3,5-Trimethylbenzene	ND	0.0602	0.0114		mg/Kg-dry	1	08/31/21 6:58:53
2-Chlorotoluene	ND	0.0723	0.0134		mg/Kg-dry	1	08/31/21 6:58:53
4-Chlorotoluene	ND	0.0723	0.0132		mg/Kg-dry	1	08/31/21 6:58:53
tert-Butylbenzene	ND	0.0723	0.0127		mg/Kg-dry	1	08/31/21 6:58:53

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-016
Client Sample ID: B95-AB-22-5.0

Collection Date: 8/25/2021 1:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2,3-Trichloropropane	ND	0.0602	0.0317		mg/Kg-dry	1	08/31/21 6:58:53
1,2,4-Trichlorobenzene	ND	0.0964	0.0190		mg/Kg-dry	1	08/31/21 6:58:53
sec-Butylbenzene	ND	0.0723	0.0160		mg/Kg-dry	1	08/31/21 6:58:53
4-Isopropyltoluene	ND	0.0723	0.0146		mg/Kg-dry	1	08/31/21 6:58:53
1,3-Dichlorobenzene	ND	0.0843	0.0172		mg/Kg-dry	1	08/31/21 6:58:53
1,4-Dichlorobenzene	ND	0.0723	0.0104		mg/Kg-dry	1	08/31/21 6:58:53
n-Butylbenzene	ND	0.0964	0.0170		mg/Kg-dry	1	08/31/21 6:58:53
1,2-Dichlorobenzene	ND	0.0723	0.0153		mg/Kg-dry	1	08/31/21 6:58:53
1,2-Dibromo-3-chloropropane	ND	0.145	0.0301		mg/Kg-dry	1	08/31/21 6:58:53
1,2,4-Trimethylbenzene	ND	0.0602	0.0130		mg/Kg-dry	1	08/31/21 6:58:53
Hexachloro-1,3-butadiene	ND	0.120	0.0300		mg/Kg-dry	1	08/31/21 6:58:53
Naphthalene	ND	0.241	0.0323		mg/Kg-dry	1	08/31/21 6:58:53
1,2,3-Trichlorobenzene	ND	0.120	0.0155		mg/Kg-dry	1	08/31/21 6:58:53
Surr: Dibromofluoromethane	89.9	75.5 - 119	0		%Rec	1	08/31/21 6:58:53
Surr: Toluene-d8	99.0	82.4 - 115	0		%Rec	1	08/31/21 6:58:53
Surr: 1-Bromo-4-fluorobenzene	97.0	78.5 - 118	0		%Rec	1	08/31/21 6:58:53

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33503			Analyst: EH
Arsenic	29.6	0.104	0.0350		mg/Kg-dry	1	08/26/21 19:12:36
Sample Moisture (Percent Moisture)				Batch ID: R69497			Analyst: MCH
Percent Moisture	12.2	0.500	0.100		wt%	1	08/26/21 9:48:17

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-018
Client Sample ID: B95-AB-22-10

Collection Date: 8/25/2021 1:07:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33501			Analyst: MM
Diesel (Fuel Oil)	ND	45.7	10.3		mg/Kg-dry	1	08/27/21 0:33:18
Heavy Oil	ND	91.4	19.9		mg/Kg-dry	1	08/27/21 0:33:18
Total Petroleum Hydrocarbons	ND	137	30.2		mg/Kg-dry	1	08/27/21 0:33:18
Surr: 2-Fluorobiphenyl	95.2	50 - 150			%Rec	1	08/27/21 0:33:18
Surr: o-Terphenyl	105	50 - 150			%Rec	1	08/27/21 0:33:18
Gasoline by NWTPH-Gx				Batch ID: 33539			Analyst: CR
Gasoline	ND	5.58	2.23		mg/Kg-dry	1	08/31/21 7:29:45
Surr: Toluene-d8	96.8	65 - 135			%Rec	1	08/31/21 7:29:45
Surr: 4-Bromofluorobenzene	97.5	65 - 135			%Rec	1	08/31/21 7:29:45
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0558	0.00719	Q	mg/Kg-dry	1	08/31/21 7:29:45
Chloromethane	ND	0.0892	0.0223	Q	mg/Kg-dry	1	08/31/21 7:29:45
Vinyl chloride	ND	0.0279	0.0112		mg/Kg-dry	1	08/31/21 7:29:45
Bromomethane	ND	0.167	0.0796		mg/Kg-dry	1	08/31/21 7:29:45
Trichlorofluoromethane (CFC-11)	ND	0.0558	0.0110		mg/Kg-dry	1	08/31/21 7:29:45
Chloroethane	ND	0.134	0.0370		mg/Kg-dry	1	08/31/21 7:29:45
1,1-Dichloroethene	ND	0.112	0.0517		mg/Kg-dry	1	08/31/21 7:29:45
Acetone	ND	0.558	0.0841		mg/Kg-dry	1	08/31/21 7:29:45
Methylene chloride	ND	0.0167	0.00781		mg/Kg-dry	1	08/31/21 7:29:45
trans-1,2-Dichloroethene	ND	0.0335	0.00484		mg/Kg-dry	1	08/31/21 7:29:45
Methyl tert-butyl ether (MTBE)	ND	0.0335	0.0117		mg/Kg-dry	1	08/31/21 7:29:45
1,1-Dichloroethane	ND	0.0279	0.0109		mg/Kg-dry	1	08/31/21 7:29:45
cis-1,2-Dichloroethene	ND	0.0279	0.00719		mg/Kg-dry	1	08/31/21 7:29:45
(MEK) 2-Butanone	ND	0.502	0.122		mg/Kg-dry	1	08/31/21 7:29:45
Chloroform	ND	0.0279	0.00887		mg/Kg-dry	1	08/31/21 7:29:45
1,1,1-Trichloroethane (TCA)	ND	0.0279	0.00749		mg/Kg-dry	1	08/31/21 7:29:45
1,1-Dichloropropene	ND	0.0279	0.0106		mg/Kg-dry	1	08/31/21 7:29:45
Carbon tetrachloride	ND	0.0836	0.00608		mg/Kg-dry	1	08/31/21 7:29:45

Original

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-018
Client Sample ID: B95-AB-22-10

Collection Date: 8/25/2021 1:07:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2-Dichloroethane (EDC)	ND	0.0257	0.00687		mg/Kg-dry	1	08/31/21 7:29:45
Benzene	ND	0.0223	0.0119		mg/Kg-dry	1	08/31/21 7:29:45
Trichloroethene (TCE)	ND	0.0223	0.00889		mg/Kg-dry	1	08/31/21 7:29:45
1,2-Dichloropropane	ND	0.0223	0.00949		mg/Kg-dry	1	08/31/21 7:29:45
Bromodichloromethane	ND	0.0279	0.00804		mg/Kg-dry	1	08/31/21 7:29:45
Dibromomethane	ND	0.0223	0.00647		mg/Kg-dry	1	08/31/21 7:29:45
cis-1,3-Dichloropropene	ND	0.0892	0.00738		mg/Kg-dry	1	08/31/21 7:29:45
Toluene	ND	0.0335	0.00563		mg/Kg-dry	1	08/31/21 7:29:45
Trans-1,3-Dichloropropylene	ND	0.0558	0.00692		mg/Kg-dry	1	08/31/21 7:29:45
Methyl Isobutyl Ketone (MIBK)	ND	0.0836	0.0312		mg/Kg-dry	1	08/31/21 7:29:45
1,1,2-Trichloroethane	ND	0.0190	0.00431		mg/Kg-dry	1	08/31/21 7:29:45
1,3-Dichloropropane	ND	0.0223	0.00320		mg/Kg-dry	1	08/31/21 7:29:45
Tetrachloroethene (PCE)	ND	0.0446	0.00526		mg/Kg-dry	1	08/31/21 7:29:45
Dibromochloromethane	ND	0.0223	0.00623		mg/Kg-dry	1	08/31/21 7:29:45
1,2-Dibromoethane (EDB)	ND	0.0112	0.00382		mg/Kg-dry	1	08/31/21 7:29:45
2-Hexanone (MBK)	ND	0.0669	0.0323		mg/Kg-dry	1	08/31/21 7:29:45
Chlorobenzene	ND	0.0279	0.00799		mg/Kg-dry	1	08/31/21 7:29:45
1,1,1,2-Tetrachloroethane	ND	0.0223	0.00510		mg/Kg-dry	1	08/31/21 7:29:45
Ethylbenzene	ND	0.0279	0.00450		mg/Kg-dry	1	08/31/21 7:29:45
m,p-Xylene	ND	0.0558	0.00671		mg/Kg-dry	1	08/31/21 7:29:45
o-Xylene	ND	0.0279	0.00399		mg/Kg-dry	1	08/31/21 7:29:45
Styrene	ND	0.0279	0.00336		mg/Kg-dry	1	08/31/21 7:29:45
Isopropylbenzene	ND	0.0335	0.00661		mg/Kg-dry	1	08/31/21 7:29:45
Bromoform	ND	0.0279	0.00526		mg/Kg-dry	1	08/31/21 7:29:45
1,1,2,2-Tetrachloroethane	ND	0.0167	0.00697		mg/Kg-dry	1	08/31/21 7:29:45
n-Propylbenzene	ND	0.0335	0.00544		mg/Kg-dry	1	08/31/21 7:29:45
Bromobenzene	ND	0.0335	0.00443		mg/Kg-dry	1	08/31/21 7:29:45
1,3,5-Trimethylbenzene	ND	0.0279	0.00526		mg/Kg-dry	1	08/31/21 7:29:45
2-Chlorotoluene	ND	0.0335	0.00621		mg/Kg-dry	1	08/31/21 7:29:45
4-Chlorotoluene	ND	0.0335	0.00609		mg/Kg-dry	1	08/31/21 7:29:45
tert-Butylbenzene	ND	0.0335	0.00587		mg/Kg-dry	1	08/31/21 7:29:45

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-018
Client Sample ID: B95-AB-22-10

Collection Date: 8/25/2021 1:07:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2,3-Trichloropropane	ND	0.0279	0.0147		mg/Kg-dry	1	08/31/21 7:29:45
1,2,4-Trichlorobenzene	ND	0.0446	0.00880		mg/Kg-dry	1	08/31/21 7:29:45
sec-Butylbenzene	ND	0.0335	0.00739		mg/Kg-dry	1	08/31/21 7:29:45
4-Isopropyltoluene	ND	0.0335	0.00677		mg/Kg-dry	1	08/31/21 7:29:45
1,3-Dichlorobenzene	ND	0.0390	0.00797		mg/Kg-dry	1	08/31/21 7:29:45
1,4-Dichlorobenzene	ND	0.0335	0.00481		mg/Kg-dry	1	08/31/21 7:29:45
n-Butylbenzene	ND	0.0446	0.00787		mg/Kg-dry	1	08/31/21 7:29:45
1,2-Dichlorobenzene	ND	0.0335	0.00706		mg/Kg-dry	1	08/31/21 7:29:45
1,2-Dibromo-3-chloropropane	ND	0.0669	0.0139		mg/Kg-dry	1	08/31/21 7:29:45
1,2,4-Trimethylbenzene	ND	0.0279	0.00600		mg/Kg-dry	1	08/31/21 7:29:45
Hexachloro-1,3-butadiene	ND	0.0558	0.0139		mg/Kg-dry	1	08/31/21 7:29:45
Naphthalene	ND	0.112	0.0149		mg/Kg-dry	1	08/31/21 7:29:45
1,2,3-Trichlorobenzene	ND	0.0558	0.00716		mg/Kg-dry	1	08/31/21 7:29:45
Surr: Dibromofluoromethane	91.3	75.5 - 119	0		%Rec	1	08/31/21 7:29:45
Surr: Toluene-d8	108	82.4 - 115	0		%Rec	1	08/31/21 7:29:45
Surr: 1-Bromo-4-fluorobenzene	90.6	78.5 - 118	0		%Rec	1	08/31/21 7:29:45

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33503			Analyst: EH
Arsenic	2.52	0.102	0.0342		mg/Kg-dry	1	08/26/21 19:18:10
Sample Moisture (Percent Moisture)				Batch ID: R69497			Analyst: MCH
Percent Moisture	5.24	0.500	0.100		wt%	1	08/26/21 9:48:17

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-020
Client Sample ID: B95-AB-22-20

Collection Date: 8/25/2021 1:23:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33501			Analyst: MM
Diesel (Fuel Oil)	ND	46.4	10.5		mg/Kg-dry	1	08/27/21 0:59:09
Heavy Oil	ND	92.8	20.2		mg/Kg-dry	1	08/27/21 0:59:09
Total Petroleum Hydrocarbons	ND	139	30.7		mg/Kg-dry	1	08/27/21 0:59:09
Surr: 2-Fluorobiphenyl	88.7	50 - 150			%Rec	1	08/27/21 0:59:09
Surr: o-Terphenyl	103	50 - 150			%Rec	1	08/27/21 0:59:09
Gasoline by NWTPH-Gx				Batch ID: 33539			Analyst: CR
Gasoline	ND	6.36	2.54		mg/Kg-dry	1	08/31/21 10:34:32
Surr: Toluene-d8	95.4	65 - 135			%Rec	1	08/31/21 10:34:32
Surr: 4-Bromofluorobenzene	108	65 - 135			%Rec	1	08/31/21 10:34:32
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0636	0.00820	Q	mg/Kg-dry	1	08/31/21 10:34:32
Chloromethane	ND	0.102	0.0254	Q	mg/Kg-dry	1	08/31/21 10:34:32
Vinyl chloride	ND	0.0318	0.0128		mg/Kg-dry	1	08/31/21 10:34:32
Bromomethane	ND	0.191	0.0908		mg/Kg-dry	1	08/31/21 10:34:32
Trichlorofluoromethane (CFC-11)	ND	0.0636	0.0126		mg/Kg-dry	1	08/31/21 10:34:32
Chloroethane	ND	0.153	0.0422		mg/Kg-dry	1	08/31/21 10:34:32
1,1-Dichloroethene	ND	0.127	0.0590		mg/Kg-dry	1	08/31/21 10:34:32
Acetone	ND	0.636	0.0959		mg/Kg-dry	1	08/31/21 10:34:32
Methylene chloride	ND	0.0191	0.00891		mg/Kg-dry	1	08/31/21 10:34:32
trans-1,2-Dichloroethene	ND	0.0382	0.00552		mg/Kg-dry	1	08/31/21 10:34:32
Methyl tert-butyl ether (MTBE)	ND	0.0382	0.0133		mg/Kg-dry	1	08/31/21 10:34:32
1,1-Dichloroethane	ND	0.0318	0.0125		mg/Kg-dry	1	08/31/21 10:34:32
cis-1,2-Dichloroethene	ND	0.0318	0.00820		mg/Kg-dry	1	08/31/21 10:34:32
(MEK) 2-Butanone	ND	0.572	0.139		mg/Kg-dry	1	08/31/21 10:34:32
Chloroform	ND	0.0318	0.0101		mg/Kg-dry	1	08/31/21 10:34:32
1,1,1-Trichloroethane (TCA)	ND	0.0318	0.00854		mg/Kg-dry	1	08/31/21 10:34:32
1,1-Dichloropropene	ND	0.0318	0.0121		mg/Kg-dry	1	08/31/21 10:34:32
Carbon tetrachloride	ND	0.0954	0.00693		mg/Kg-dry	1	08/31/21 10:34:32

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-020
Client Sample ID: B95-AB-22-20

Collection Date: 8/25/2021 1:23:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2-Dichloroethane (EDC)	ND	0.0293	0.00784		mg/Kg-dry	1	08/31/21 10:34:32
Benzene	ND	0.0254	0.0135		mg/Kg-dry	1	08/31/21 10:34:32
Trichloroethene (TCE)	ND	0.0254	0.0101		mg/Kg-dry	1	08/31/21 10:34:32
1,2-Dichloropropane	ND	0.0254	0.0108		mg/Kg-dry	1	08/31/21 10:34:32
Bromodichloromethane	ND	0.0318	0.00917		mg/Kg-dry	1	08/31/21 10:34:32
Dibromomethane	ND	0.0254	0.00738		mg/Kg-dry	1	08/31/21 10:34:32
cis-1,3-Dichloropropene	ND	0.102	0.00842		mg/Kg-dry	1	08/31/21 10:34:32
Toluene	ND	0.0382	0.00642		mg/Kg-dry	1	08/31/21 10:34:32
Trans-1,3-Dichloropropylene	ND	0.0636	0.00789		mg/Kg-dry	1	08/31/21 10:34:32
Methyl Isobutyl Ketone (MIBK)	ND	0.0954	0.0356		mg/Kg-dry	1	08/31/21 10:34:32
1,1,2-Trichloroethane	ND	0.0216	0.00491		mg/Kg-dry	1	08/31/21 10:34:32
1,3-Dichloropropane	ND	0.0254	0.00365		mg/Kg-dry	1	08/31/21 10:34:32
Tetrachloroethene (PCE)	ND	0.0509	0.00600		mg/Kg-dry	1	08/31/21 10:34:32
Dibromochloromethane	ND	0.0254	0.00710		mg/Kg-dry	1	08/31/21 10:34:32
1,2-Dibromoethane (EDB)	ND	0.0127	0.00435		mg/Kg-dry	1	08/31/21 10:34:32
2-Hexanone (MBK)	ND	0.0763	0.0368		mg/Kg-dry	1	08/31/21 10:34:32
Chlorobenzene	ND	0.0318	0.00911		mg/Kg-dry	1	08/31/21 10:34:32
1,1,1,2-Tetrachloroethane	ND	0.0254	0.00582		mg/Kg-dry	1	08/31/21 10:34:32
Ethylbenzene	ND	0.0318	0.00513		mg/Kg-dry	1	08/31/21 10:34:32
m,p-Xylene	ND	0.0636	0.00765		mg/Kg-dry	1	08/31/21 10:34:32
o-Xylene	ND	0.0318	0.00455		mg/Kg-dry	1	08/31/21 10:34:32
Styrene	ND	0.0318	0.00383		mg/Kg-dry	1	08/31/21 10:34:32
Isopropylbenzene	ND	0.0382	0.00754		mg/Kg-dry	1	08/31/21 10:34:32
Bromoform	ND	0.0318	0.00600		mg/Kg-dry	1	08/31/21 10:34:32
1,1,2,2-Tetrachloroethane	ND	0.0191	0.00795		mg/Kg-dry	1	08/31/21 10:34:32
n-Propylbenzene	ND	0.0382	0.00620		mg/Kg-dry	1	08/31/21 10:34:32
Bromobenzene	ND	0.0382	0.00505		mg/Kg-dry	1	08/31/21 10:34:32
1,3,5-Trimethylbenzene	ND	0.0318	0.00600		mg/Kg-dry	1	08/31/21 10:34:32
2-Chlorotoluene	ND	0.0382	0.00708		mg/Kg-dry	1	08/31/21 10:34:32
4-Chlorotoluene	ND	0.0382	0.00694		mg/Kg-dry	1	08/31/21 10:34:32
tert-Butylbenzene	ND	0.0382	0.00670		mg/Kg-dry	1	08/31/21 10:34:32

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-020
Client Sample ID: B95-AB-22-20

Collection Date: 8/25/2021 1:23:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2,3-Trichloropropane	ND	0.0318	0.0167		mg/Kg-dry	1	08/31/21 10:34:32
1,2,4-Trichlorobenzene	ND	0.0509	0.0100		mg/Kg-dry	1	08/31/21 10:34:32
sec-Butylbenzene	ND	0.0382	0.00843		mg/Kg-dry	1	08/31/21 10:34:32
4-Isopropyltoluene	ND	0.0382	0.00772		mg/Kg-dry	1	08/31/21 10:34:32
1,3-Dichlorobenzene	ND	0.0445	0.00909		mg/Kg-dry	1	08/31/21 10:34:32
1,4-Dichlorobenzene	ND	0.0382	0.00549		mg/Kg-dry	1	08/31/21 10:34:32
n-Butylbenzene	ND	0.0509	0.00898		mg/Kg-dry	1	08/31/21 10:34:32
1,2-Dichlorobenzene	ND	0.0382	0.00805		mg/Kg-dry	1	08/31/21 10:34:32
1,2-Dibromo-3-chloropropane	ND	0.0763	0.0159		mg/Kg-dry	1	08/31/21 10:34:32
1,2,4-Trimethylbenzene	ND	0.0318	0.00684		mg/Kg-dry	1	08/31/21 10:34:32
Hexachloro-1,3-butadiene	ND	0.0636	0.0158		mg/Kg-dry	1	08/31/21 10:34:32
Naphthalene	0.0619	0.127	0.0170	J	mg/Kg-dry	1	08/31/21 10:34:32
1,2,3-Trichlorobenzene	ND	0.0636	0.00817		mg/Kg-dry	1	08/31/21 10:34:32
Surr: Dibromofluoromethane	95.6	75.5 - 119	0		%Rec	1	08/31/21 10:34:32
Surr: Toluene-d8	94.2	82.4 - 115	0		%Rec	1	08/31/21 10:34:32
Surr: 1-Bromo-4-fluorobenzene	100	78.5 - 118	0		%Rec	1	08/31/21 10:34:32

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33503			Analyst: EH
Arsenic	2.49	0.105	0.0351		mg/Kg-dry	1	08/26/21 19:23:44
Sample Moisture (Percent Moisture)				Batch ID: R69497			Analyst: MCH
Percent Moisture	7.69	0.500	0.100		wt%	1	08/26/21 9:48:17

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-023
Client Sample ID: B95-AB-19-5.0

Collection Date: 8/25/2021 11:49:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33501			Analyst: MM
Diesel (Fuel Oil)	ND	50.0	11.3		mg/Kg-dry	1	08/27/21 1:24:46
Heavy Oil	1,050	100	21.8		mg/Kg-dry	1	08/27/21 1:24:46
Total Petroleum Hydrocarbons	1,060	150	33.1		mg/Kg-dry	1	08/27/21 1:24:46
Surr: 2-Fluorobiphenyl	76.6	50 - 150			%Rec	1	08/27/21 1:24:46
Surr: o-Terphenyl	85.5	50 - 150			%Rec	1	08/27/21 1:24:46
Gasoline by NWTPH-Gx				Batch ID: 33539			Analyst: CR
Gasoline	ND	8.96	3.58		mg/Kg-dry	1	08/31/21 11:05:22
Stoddard Solvent/Mineral Spirits	30.1	8.96	1.38		mg/Kg-dry	1	08/31/21 11:05:22
Surr: Toluene-d8	99.9	65 - 135			%Rec	1	08/31/21 11:05:22
Surr: 4-Bromofluorobenzene	105	65 - 135			%Rec	1	08/31/21 11:05:22
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0896	0.0116	Q	mg/Kg-dry	1	08/31/21 11:05:22
Chloromethane	ND	0.143	0.0358	Q	mg/Kg-dry	1	08/31/21 11:05:22
Vinyl chloride	ND	0.0448	0.0181		mg/Kg-dry	1	08/31/21 11:05:22
Bromomethane	ND	0.269	0.128		mg/Kg-dry	1	08/31/21 11:05:22
Trichlorofluoromethane (CFC-11)	ND	0.0896	0.0177		mg/Kg-dry	1	08/31/21 11:05:22
Chloroethane	ND	0.215	0.0594		mg/Kg-dry	1	08/31/21 11:05:22
1,1-Dichloroethene	ND	0.179	0.0831		mg/Kg-dry	1	08/31/21 11:05:22
Acetone	ND	0.896	0.135		mg/Kg-dry	1	08/31/21 11:05:22
Methylene chloride	ND	0.0269	0.0126		mg/Kg-dry	1	08/31/21 11:05:22
trans-1,2-Dichloroethene	ND	0.0537	0.00777		mg/Kg-dry	1	08/31/21 11:05:22
Methyl tert-butyl ether (MTBE)	ND	0.0537	0.0187		mg/Kg-dry	1	08/31/21 11:05:22
1,1-Dichloroethane	ND	0.0448	0.0176		mg/Kg-dry	1	08/31/21 11:05:22
cis-1,2-Dichloroethene	ND	0.0448	0.0115		mg/Kg-dry	1	08/31/21 11:05:22
(MEK) 2-Butanone	ND	0.806	0.196		mg/Kg-dry	1	08/31/21 11:05:22
Chloroform	ND	0.0448	0.0142		mg/Kg-dry	1	08/31/21 11:05:22
1,1,1-Trichloroethane (TCA)	ND	0.0448	0.0120		mg/Kg-dry	1	08/31/21 11:05:22
1,1-Dichloropropene	ND	0.0448	0.0170		mg/Kg-dry	1	08/31/21 11:05:22

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-023
Client Sample ID: B95-AB-19-5.0

Collection Date: 8/25/2021 11:49:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Carbon tetrachloride	ND	0.134	0.00976		mg/Kg-dry	1	08/31/21 11:05:22
1,2-Dichloroethane (EDC)	ND	0.0412	0.0110		mg/Kg-dry	1	08/31/21 11:05:22
Benzene	ND	0.0358	0.0191		mg/Kg-dry	1	08/31/21 11:05:22
Trichloroethene (TCE)	ND	0.0358	0.0143		mg/Kg-dry	1	08/31/21 11:05:22
1,2-Dichloropropane	ND	0.0358	0.0152		mg/Kg-dry	1	08/31/21 11:05:22
Bromodichloromethane	ND	0.0448	0.0129		mg/Kg-dry	1	08/31/21 11:05:22
Dibromomethane	ND	0.0358	0.0104		mg/Kg-dry	1	08/31/21 11:05:22
cis-1,3-Dichloropropene	ND	0.143	0.0119		mg/Kg-dry	1	08/31/21 11:05:22
Toluene	ND	0.0537	0.00904		mg/Kg-dry	1	08/31/21 11:05:22
Trans-1,3-Dichloropropylene	ND	0.0896	0.0111		mg/Kg-dry	1	08/31/21 11:05:22
Methyl Isobutyl Ketone (MIBK)	ND	0.134	0.0501		mg/Kg-dry	1	08/31/21 11:05:22
1,1,2-Trichloroethane	ND	0.0304	0.00692		mg/Kg-dry	1	08/31/21 11:05:22
1,3-Dichloropropane	ND	0.0358	0.00514		mg/Kg-dry	1	08/31/21 11:05:22
Tetrachloroethene (PCE)	ND	0.0716	0.00844		mg/Kg-dry	1	08/31/21 11:05:22
Dibromochloromethane	ND	0.0358	0.0100		mg/Kg-dry	1	08/31/21 11:05:22
1,2-Dibromoethane (EDB)	ND	0.0179	0.00613		mg/Kg-dry	1	08/31/21 11:05:22
2-Hexanone (MBK)	ND	0.107	0.0518		mg/Kg-dry	1	08/31/21 11:05:22
Chlorobenzene	ND	0.0448	0.0128		mg/Kg-dry	1	08/31/21 11:05:22
1,1,1,2-Tetrachloroethane	ND	0.0358	0.00819		mg/Kg-dry	1	08/31/21 11:05:22
Ethylbenzene	ND	0.0448	0.00723		mg/Kg-dry	1	08/31/21 11:05:22
m,p-Xylene	ND	0.0896	0.0108		mg/Kg-dry	1	08/31/21 11:05:22
o-Xylene	ND	0.0448	0.00641		mg/Kg-dry	1	08/31/21 11:05:22
Styrene	ND	0.0448	0.00539		mg/Kg-dry	1	08/31/21 11:05:22
Isopropylbenzene	ND	0.0537	0.0106		mg/Kg-dry	1	08/31/21 11:05:22
Bromoform	ND	0.0448	0.00844		mg/Kg-dry	1	08/31/21 11:05:22
1,1,2,2-Tetrachloroethane	ND	0.0269	0.0112		mg/Kg-dry	1	08/31/21 11:05:22
n-Propylbenzene	ND	0.0537	0.00873		mg/Kg-dry	1	08/31/21 11:05:22
Bromobenzene	ND	0.0537	0.00711		mg/Kg-dry	1	08/31/21 11:05:22
1,3,5-Trimethylbenzene	ND	0.0448	0.00845		mg/Kg-dry	1	08/31/21 11:05:22
2-Chlorotoluene	ND	0.0537	0.00997		mg/Kg-dry	1	08/31/21 11:05:22
4-Chlorotoluene	ND	0.0537	0.00978		mg/Kg-dry	1	08/31/21 11:05:22

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-023
Client Sample ID: B95-AB-19-5.0

Collection Date: 8/25/2021 11:49:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
tert-Butylbenzene	ND	0.0537	0.00943		mg/Kg-dry	1	08/31/21 11:05:22
1,2,3-Trichloropropane	ND	0.0448	0.0236		mg/Kg-dry	1	08/31/21 11:05:22
1,2,4-Trichlorobenzene	ND	0.0716	0.0141		mg/Kg-dry	1	08/31/21 11:05:22
sec-Butylbenzene	ND	0.0537	0.0119		mg/Kg-dry	1	08/31/21 11:05:22
4-Isopropyltoluene	ND	0.0537	0.0109		mg/Kg-dry	1	08/31/21 11:05:22
1,3-Dichlorobenzene	ND	0.0627	0.0128		mg/Kg-dry	1	08/31/21 11:05:22
1,4-Dichlorobenzene	ND	0.0537	0.00773		mg/Kg-dry	1	08/31/21 11:05:22
n-Butylbenzene	ND	0.0716	0.0126		mg/Kg-dry	1	08/31/21 11:05:22
1,2-Dichlorobenzene	ND	0.0537	0.0113		mg/Kg-dry	1	08/31/21 11:05:22
1,2-Dibromo-3-chloropropane	ND	0.107	0.0224		mg/Kg-dry	1	08/31/21 11:05:22
1,2,4-Trimethylbenzene	ND	0.0448	0.00963		mg/Kg-dry	1	08/31/21 11:05:22
Hexachloro-1,3-butadiene	ND	0.0896	0.0223		mg/Kg-dry	1	08/31/21 11:05:22
Naphthalene	ND	0.179	0.0240		mg/Kg-dry	1	08/31/21 11:05:22
1,2,3-Trichlorobenzene	ND	0.0896	0.0115		mg/Kg-dry	1	08/31/21 11:05:22
Surr: Dibromofluoromethane	89.9	75.5 - 119	0		%Rec	1	08/31/21 11:05:22
Surr: Toluene-d8	104	82.4 - 115	0		%Rec	1	08/31/21 11:05:22
Surr: 1-Bromo-4-fluorobenzene	97.7	78.5 - 118	0		%Rec	1	08/31/21 11:05:22

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33503			Analyst: EH
Arsenic	30.0	0.103	0.0346		mg/Kg-dry	1	08/26/21 19:29:18
Sample Moisture (Percent Moisture)				Batch ID: R69497			Analyst: MCH
Percent Moisture	11.9	0.500	0.100		wt%	1	08/26/21 9:48:17

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-025
Client Sample ID: B95-AB-19-10

Collection Date: 8/25/2021 11:58:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33522			Analyst: MM
Diesel (Fuel Oil)	ND	51.1	11.5		mg/Kg-dry	1	08/27/21 13:45:41
Heavy Oil	189	102	22.3		mg/Kg-dry	1	08/27/21 13:45:41
Total Petroleum Hydrocarbons	189	153	33.8		mg/Kg-dry	1	08/27/21 13:45:41
Surr: 2-Fluorobiphenyl	86.8	50 - 150			%Rec	1	08/27/21 13:45:41
Surr: o-Terphenyl	101	50 - 150			%Rec	1	08/27/21 13:45:41
Gasoline by NWTPH-Gx				Batch ID: 33539			Analyst: CR
Gasoline	ND	7.83	3.13		mg/Kg-dry	1	08/31/21 11:36:15
Surr: Toluene-d8	101	65 - 135			%Rec	1	08/31/21 11:36:15
Surr: 4-Bromofluorobenzene	104	65 - 135			%Rec	1	08/31/21 11:36:15
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0783	0.0101	Q	mg/Kg-dry	1	08/31/21 11:36:15
Chloromethane	ND	0.125	0.0313	Q	mg/Kg-dry	1	08/31/21 11:36:15
Vinyl chloride	ND	0.0392	0.0158		mg/Kg-dry	1	08/31/21 11:36:15
Bromomethane	ND	0.235	0.112		mg/Kg-dry	1	08/31/21 11:36:15
Trichlorofluoromethane (CFC-11)	ND	0.0783	0.0155		mg/Kg-dry	1	08/31/21 11:36:15
Chloroethane	ND	0.188	0.0520		mg/Kg-dry	1	08/31/21 11:36:15
1,1-Dichloroethene	ND	0.157	0.0727		mg/Kg-dry	1	08/31/21 11:36:15
Acetone	ND	0.783	0.118		mg/Kg-dry	1	08/31/21 11:36:15
Methylene chloride	ND	0.0235	0.0110		mg/Kg-dry	1	08/31/21 11:36:15
trans-1,2-Dichloroethene	ND	0.0470	0.00680		mg/Kg-dry	1	08/31/21 11:36:15
Methyl tert-butyl ether (MTBE)	ND	0.0470	0.0164		mg/Kg-dry	1	08/31/21 11:36:15
1,1-Dichloroethane	ND	0.0392	0.0154		mg/Kg-dry	1	08/31/21 11:36:15
cis-1,2-Dichloroethene	ND	0.0392	0.0101		mg/Kg-dry	1	08/31/21 11:36:15
(MEK) 2-Butanone	ND	0.705	0.171		mg/Kg-dry	1	08/31/21 11:36:15
Chloroform	ND	0.0392	0.0125		mg/Kg-dry	1	08/31/21 11:36:15
1,1,1-Trichloroethane (TCA)	ND	0.0392	0.0105		mg/Kg-dry	1	08/31/21 11:36:15
1,1-Dichloropropene	ND	0.0392	0.0149		mg/Kg-dry	1	08/31/21 11:36:15
Carbon tetrachloride	ND	0.118	0.00854		mg/Kg-dry	1	08/31/21 11:36:15

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-025
Client Sample ID: B95-AB-19-10

Collection Date: 8/25/2021 11:58:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2-Dichloroethane (EDC)	ND	0.0360	0.00966		mg/Kg-dry	1	08/31/21 11:36:15
Benzene	ND	0.0313	0.0167		mg/Kg-dry	1	08/31/21 11:36:15
Trichloroethene (TCE)	ND	0.0313	0.0125		mg/Kg-dry	1	08/31/21 11:36:15
1,2-Dichloropropane	ND	0.0313	0.0133		mg/Kg-dry	1	08/31/21 11:36:15
Bromodichloromethane	ND	0.0392	0.0113		mg/Kg-dry	1	08/31/21 11:36:15
Dibromomethane	ND	0.0313	0.00909		mg/Kg-dry	1	08/31/21 11:36:15
cis-1,3-Dichloropropene	ND	0.125	0.0104		mg/Kg-dry	1	08/31/21 11:36:15
Toluene	ND	0.0470	0.00791		mg/Kg-dry	1	08/31/21 11:36:15
Trans-1,3-Dichloropropylene	ND	0.0783	0.00972		mg/Kg-dry	1	08/31/21 11:36:15
Methyl Isobutyl Ketone (MIBK)	ND	0.118	0.0438		mg/Kg-dry	1	08/31/21 11:36:15
1,1,2-Trichloroethane	ND	0.0266	0.00605		mg/Kg-dry	1	08/31/21 11:36:15
1,3-Dichloropropane	ND	0.0313	0.00450		mg/Kg-dry	1	08/31/21 11:36:15
Tetrachloroethene (PCE)	ND	0.0627	0.00739		mg/Kg-dry	1	08/31/21 11:36:15
Dibromochloromethane	ND	0.0313	0.00875		mg/Kg-dry	1	08/31/21 11:36:15
1,2-Dibromoethane (EDB)	ND	0.0157	0.00536		mg/Kg-dry	1	08/31/21 11:36:15
2-Hexanone (MBK)	ND	0.0940	0.0453		mg/Kg-dry	1	08/31/21 11:36:15
Chlorobenzene	ND	0.0392	0.0112		mg/Kg-dry	1	08/31/21 11:36:15
1,1,1,2-Tetrachloroethane	ND	0.0313	0.00717		mg/Kg-dry	1	08/31/21 11:36:15
Ethylbenzene	ND	0.0392	0.00632		mg/Kg-dry	1	08/31/21 11:36:15
m,p-Xylene	ND	0.0783	0.00943		mg/Kg-dry	1	08/31/21 11:36:15
o-Xylene	ND	0.0392	0.00561		mg/Kg-dry	1	08/31/21 11:36:15
Styrene	ND	0.0392	0.00472		mg/Kg-dry	1	08/31/21 11:36:15
Isopropylbenzene	ND	0.0470	0.00929		mg/Kg-dry	1	08/31/21 11:36:15
Bromoform	ND	0.0392	0.00739		mg/Kg-dry	1	08/31/21 11:36:15
1,1,2,2-Tetrachloroethane	ND	0.0235	0.00979		mg/Kg-dry	1	08/31/21 11:36:15
n-Propylbenzene	ND	0.0470	0.00764		mg/Kg-dry	1	08/31/21 11:36:15
Bromobenzene	ND	0.0470	0.00622		mg/Kg-dry	1	08/31/21 11:36:15
1,3,5-Trimethylbenzene	ND	0.0392	0.00739		mg/Kg-dry	1	08/31/21 11:36:15
2-Chlorotoluene	ND	0.0470	0.00872		mg/Kg-dry	1	08/31/21 11:36:15
4-Chlorotoluene	ND	0.0470	0.00855		mg/Kg-dry	1	08/31/21 11:36:15
tert-Butylbenzene	ND	0.0470	0.00825		mg/Kg-dry	1	08/31/21 11:36:15

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-025
Client Sample ID: B95-AB-19-10

Collection Date: 8/25/2021 11:58:00 AM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2,3-Trichloropropane	ND	0.0392	0.0206		mg/Kg-dry	1	08/31/21 11:36:15
1,2,4-Trichlorobenzene	ND	0.0627	0.0124		mg/Kg-dry	1	08/31/21 11:36:15
sec-Butylbenzene	ND	0.0470	0.0104		mg/Kg-dry	1	08/31/21 11:36:15
4-Isopropyltoluene	ND	0.0470	0.00951		mg/Kg-dry	1	08/31/21 11:36:15
1,3-Dichlorobenzene	ND	0.0548	0.0112		mg/Kg-dry	1	08/31/21 11:36:15
1,4-Dichlorobenzene	ND	0.0470	0.00676		mg/Kg-dry	1	08/31/21 11:36:15
n-Butylbenzene	ND	0.0627	0.0111		mg/Kg-dry	1	08/31/21 11:36:15
1,2-Dichlorobenzene	ND	0.0470	0.00992		mg/Kg-dry	1	08/31/21 11:36:15
1,2-Dibromo-3-chloropropane	ND	0.0940	0.0196		mg/Kg-dry	1	08/31/21 11:36:15
1,2,4-Trimethylbenzene	ND	0.0392	0.00843		mg/Kg-dry	1	08/31/21 11:36:15
Hexachloro-1,3-butadiene	ND	0.0783	0.0195		mg/Kg-dry	1	08/31/21 11:36:15
Naphthalene	0.0391	0.157	0.0210	J	mg/Kg-dry	1	08/31/21 11:36:15
1,2,3-Trichlorobenzene	ND	0.0783	0.0101		mg/Kg-dry	1	08/31/21 11:36:15
Surr: Dibromofluoromethane	93.1	75.5 - 119	0		%Rec	1	08/31/21 11:36:15
Surr: Toluene-d8	102	82.4 - 115	0		%Rec	1	08/31/21 11:36:15
Surr: 1-Bromo-4-fluorobenzene	96.7	78.5 - 118	0		%Rec	1	08/31/21 11:36:15

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33503			Analyst: EH
Arsenic	3.87	0.104	0.0350		mg/Kg-dry	1	08/26/21 19:34:53
Sample Moisture (Percent Moisture)				Batch ID: R69522			Analyst: MCH
Percent Moisture	8.13	0.500	0.100		wt%	1	08/27/21 9:10:05

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-027
Client Sample ID: B95-AB-19-20

Collection Date: 8/25/2021 12:15:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33522			Analyst: MM
Diesel (Fuel Oil)	ND	52.8	11.9		mg/Kg-dry	1	08/27/21 14:49:46
Heavy Oil	ND	106	23.0		mg/Kg-dry	1	08/27/21 14:49:46
Total Petroleum Hydrocarbons	ND	158	34.9		mg/Kg-dry	1	08/27/21 14:49:46
Surr: 2-Fluorobiphenyl	74.2	50 - 150			%Rec	1	08/27/21 14:49:46
Surr: o-Terphenyl	90.1	50 - 150			%Rec	1	08/27/21 14:49:46
Gasoline by NWTPH-Gx				Batch ID: 33539			Analyst: CR
Gasoline	ND	8.86	3.54		mg/Kg-dry	1	08/31/21 12:07:01
Gasoline Range Organics (C6-C12)	17.0	8.86	1.36		mg/Kg-dry	1	08/31/21 12:07:01
Surr: Toluene-d8	92.8	65 - 135			%Rec	1	08/31/21 12:07:01
Surr: 4-Bromofluorobenzene	105	65 - 135			%Rec	1	08/31/21 12:07:01

NOTES:
Gasoline Range Organics - Chromatographic pattern indicates that detection is due to non-target compounds.

Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0886	0.0114	Q	mg/Kg-dry	1	08/31/21 12:07:01
Chloromethane	ND	0.142	0.0354	Q	mg/Kg-dry	1	08/31/21 12:07:01
Vinyl chloride	ND	0.0443	0.0179		mg/Kg-dry	1	08/31/21 12:07:01
Bromomethane	ND	0.266	0.126		mg/Kg-dry	1	08/31/21 12:07:01
Trichlorofluoromethane (CFC-11)	ND	0.0886	0.0175		mg/Kg-dry	1	08/31/21 12:07:01
Chloroethane	ND	0.213	0.0588		mg/Kg-dry	1	08/31/21 12:07:01
1,1-Dichloroethene	ND	0.177	0.0822		mg/Kg-dry	1	08/31/21 12:07:01
Acetone	ND	0.886	0.134		mg/Kg-dry	1	08/31/21 12:07:01
Methylene chloride	ND	0.0266	0.0124		mg/Kg-dry	1	08/31/21 12:07:01
trans-1,2-Dichloroethene	ND	0.0531	0.00768		mg/Kg-dry	1	08/31/21 12:07:01
Methyl tert-butyl ether (MTBE)	ND	0.0531	0.0185		mg/Kg-dry	1	08/31/21 12:07:01
1,1-Dichloroethane	ND	0.0443	0.0174		mg/Kg-dry	1	08/31/21 12:07:01
cis-1,2-Dichloroethene	ND	0.0443	0.0114		mg/Kg-dry	1	08/31/21 12:07:01
(MEK) 2-Butanone	ND	0.797	0.193		mg/Kg-dry	1	08/31/21 12:07:01
Chloroform	ND	0.0443	0.0141		mg/Kg-dry	1	08/31/21 12:07:01

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-027
Client Sample ID: B95-AB-19-20

Collection Date: 8/25/2021 12:15:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,1,1-Trichloroethane (TCA)	ND	0.0443	0.0119		mg/Kg-dry	1	08/31/21 12:07:01
1,1-Dichloropropene	ND	0.0443	0.0168		mg/Kg-dry	1	08/31/21 12:07:01
Carbon tetrachloride	ND	0.133	0.00965		mg/Kg-dry	1	08/31/21 12:07:01
1,2-Dichloroethane (EDC)	ND	0.0407	0.0109		mg/Kg-dry	1	08/31/21 12:07:01
Benzene	ND	0.0354	0.0189		mg/Kg-dry	1	08/31/21 12:07:01
Trichloroethene (TCE)	ND	0.0354	0.0141		mg/Kg-dry	1	08/31/21 12:07:01
1,2-Dichloropropane	ND	0.0354	0.0151		mg/Kg-dry	1	08/31/21 12:07:01
Bromodichloromethane	ND	0.0443	0.0128		mg/Kg-dry	1	08/31/21 12:07:01
Dibromomethane	ND	0.0354	0.0103		mg/Kg-dry	1	08/31/21 12:07:01
cis-1,3-Dichloropropene	ND	0.142	0.0117		mg/Kg-dry	1	08/31/21 12:07:01
Toluene	ND	0.0531	0.00894		mg/Kg-dry	1	08/31/21 12:07:01
Trans-1,3-Dichloropropylene	ND	0.0886	0.0110		mg/Kg-dry	1	08/31/21 12:07:01
Methyl Isobutyl Ketone (MIBK)	ND	0.133	0.0495		mg/Kg-dry	1	08/31/21 12:07:01
1,1,2-Trichloroethane	ND	0.0301	0.00684		mg/Kg-dry	1	08/31/21 12:07:01
1,3-Dichloropropane	ND	0.0354	0.00509		mg/Kg-dry	1	08/31/21 12:07:01
Tetrachloroethene (PCE)	ND	0.0709	0.00835		mg/Kg-dry	1	08/31/21 12:07:01
Dibromochloromethane	ND	0.0354	0.00989		mg/Kg-dry	1	08/31/21 12:07:01
1,2-Dibromoethane (EDB)	ND	0.0177	0.00606		mg/Kg-dry	1	08/31/21 12:07:01
2-Hexanone (MBK)	ND	0.106	0.0512		mg/Kg-dry	1	08/31/21 12:07:01
Chlorobenzene	ND	0.0443	0.0127		mg/Kg-dry	1	08/31/21 12:07:01
1,1,1,2-Tetrachloroethane	ND	0.0354	0.00810		mg/Kg-dry	1	08/31/21 12:07:01
Ethylbenzene	ND	0.0443	0.00715		mg/Kg-dry	1	08/31/21 12:07:01
m,p-Xylene	ND	0.0886	0.0107		mg/Kg-dry	1	08/31/21 12:07:01
o-Xylene	ND	0.0443	0.00634		mg/Kg-dry	1	08/31/21 12:07:01
Styrene	ND	0.0443	0.00533		mg/Kg-dry	1	08/31/21 12:07:01
Isopropylbenzene	ND	0.0531	0.0105		mg/Kg-dry	1	08/31/21 12:07:01
Bromoform	ND	0.0443	0.00835		mg/Kg-dry	1	08/31/21 12:07:01
1,1,2,2-Tetrachloroethane	ND	0.0266	0.0111		mg/Kg-dry	1	08/31/21 12:07:01
n-Propylbenzene	ND	0.0531	0.00864		mg/Kg-dry	1	08/31/21 12:07:01
Bromobenzene	ND	0.0531	0.00704		mg/Kg-dry	1	08/31/21 12:07:01
1,3,5-Trimethylbenzene	ND	0.0443	0.00836		mg/Kg-dry	1	08/31/21 12:07:01

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-027
Client Sample ID: B95-AB-19-20

Collection Date: 8/25/2021 12:15:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
2-Chlorotoluene	ND	0.0531	0.00986		mg/Kg-dry	1	08/31/21 12:07:01
4-Chlorotoluene	ND	0.0531	0.00967		mg/Kg-dry	1	08/31/21 12:07:01
tert-Butylbenzene	ND	0.0531	0.00933		mg/Kg-dry	1	08/31/21 12:07:01
1,2,3-Trichloropropane	ND	0.0443	0.0233		mg/Kg-dry	1	08/31/21 12:07:01
1,2,4-Trichlorobenzene	ND	0.0709	0.0140		mg/Kg-dry	1	08/31/21 12:07:01
sec-Butylbenzene	ND	0.0531	0.0117		mg/Kg-dry	1	08/31/21 12:07:01
4-Isopropyltoluene	ND	0.0531	0.0107		mg/Kg-dry	1	08/31/21 12:07:01
1,3-Dichlorobenzene	ND	0.0620	0.0127		mg/Kg-dry	1	08/31/21 12:07:01
1,4-Dichlorobenzene	ND	0.0531	0.00765		mg/Kg-dry	1	08/31/21 12:07:01
n-Butylbenzene	ND	0.0709	0.0125		mg/Kg-dry	1	08/31/21 12:07:01
1,2-Dichlorobenzene	ND	0.0531	0.0112		mg/Kg-dry	1	08/31/21 12:07:01
1,2-Dibromo-3-chloropropane	9.53	0.106	0.0221		mg/Kg-dry	1	08/31/21 12:07:01
1,2,4-Trimethylbenzene	ND	0.0443	0.00953		mg/Kg-dry	1	08/31/21 12:07:01
Hexachloro-1,3-butadiene	ND	0.0886	0.0220		mg/Kg-dry	1	08/31/21 12:07:01
Naphthalene	ND	0.177	0.0237		mg/Kg-dry	1	08/31/21 12:07:01
1,2,3-Trichlorobenzene	ND	0.0886	0.0114		mg/Kg-dry	1	08/31/21 12:07:01
Surr: Dibromofluoromethane	94.9	75.5 - 119	0		%Rec	1	08/31/21 12:07:01
Surr: Toluene-d8	98.0	82.4 - 115	0		%Rec	1	08/31/21 12:07:01
Surr: 1-Bromo-4-fluorobenzene	97.7	78.5 - 118	0		%Rec	1	08/31/21 12:07:01

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33503			Analyst: EH
Arsenic	2.42	0.108	0.0362		mg/Kg-dry	1	08/26/21 19:40:27
Sample Moisture (Percent Moisture)				Batch ID: R69522			Analyst: MCH
Percent Moisture	11.0	0.500	0.100		wt%	1	08/27/21 9:10:05

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-031
Client Sample ID: B95-AB-18-7.5

Collection Date: 8/25/2021 2:39:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33522			Analyst: MM
Diesel (Fuel Oil)	ND	50.8	11.5		mg/Kg-dry	1	08/27/21 15:15:21
Heavy Oil	ND	102	22.2		mg/Kg-dry	1	08/27/21 15:15:21
Total Petroleum Hydrocarbons	ND	153	33.6		mg/Kg-dry	1	08/27/21 15:15:21
Surr: 2-Fluorobiphenyl	84.5	50 - 150			%Rec	1	08/27/21 15:15:21
Surr: o-Terphenyl	97.5	50 - 150			%Rec	1	08/27/21 15:15:21
Gasoline by NWTPH-Gx				Batch ID: 33539			Analyst: CR
Gasoline	ND	7.05	2.82		mg/Kg-dry	1	08/31/21 12:37:53
Surr: Toluene-d8	96.6	65 - 135			%Rec	1	08/31/21 12:37:53
Surr: 4-Bromofluorobenzene	101	65 - 135			%Rec	1	08/31/21 12:37:53
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0705	0.00909	Q	mg/Kg-dry	1	08/31/21 12:37:53
Chloromethane	ND	0.113	0.0282	Q	mg/Kg-dry	1	08/31/21 12:37:53
Vinyl chloride	ND	0.0352	0.0142		mg/Kg-dry	1	08/31/21 12:37:53
Bromomethane	ND	0.211	0.101		mg/Kg-dry	1	08/31/21 12:37:53
Trichlorofluoromethane (CFC-11)	ND	0.0705	0.0139		mg/Kg-dry	1	08/31/21 12:37:53
Chloroethane	ND	0.169	0.0468		mg/Kg-dry	1	08/31/21 12:37:53
1,1-Dichloroethene	ND	0.141	0.0654		mg/Kg-dry	1	08/31/21 12:37:53
Acetone	ND	0.705	0.106		mg/Kg-dry	1	08/31/21 12:37:53
Methylene chloride	ND	0.0211	0.00988		mg/Kg-dry	1	08/31/21 12:37:53
trans-1,2-Dichloroethene	ND	0.0423	0.00611		mg/Kg-dry	1	08/31/21 12:37:53
Methyl tert-butyl ether (MTBE)	ND	0.0423	0.0147		mg/Kg-dry	1	08/31/21 12:37:53
1,1-Dichloroethane	ND	0.0352	0.0138		mg/Kg-dry	1	08/31/21 12:37:53
cis-1,2-Dichloroethene	ND	0.0352	0.00908		mg/Kg-dry	1	08/31/21 12:37:53
(MEK) 2-Butanone	ND	0.634	0.154		mg/Kg-dry	1	08/31/21 12:37:53
Chloroform	ND	0.0352	0.0112		mg/Kg-dry	1	08/31/21 12:37:53
1,1,1-Trichloroethane (TCA)	ND	0.0352	0.00946		mg/Kg-dry	1	08/31/21 12:37:53
1,1-Dichloropropene	ND	0.0352	0.0134		mg/Kg-dry	1	08/31/21 12:37:53
Carbon tetrachloride	ND	0.106	0.00768		mg/Kg-dry	1	08/31/21 12:37:53

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-031
Client Sample ID: B95-AB-18-7.5

Collection Date: 8/25/2021 2:39:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2-Dichloroethane (EDC)	ND	0.0324	0.00869		mg/Kg-dry	1	08/31/21 12:37:53
Benzene	ND	0.0282	0.0150		mg/Kg-dry	1	08/31/21 12:37:53
Trichloroethene (TCE)	ND	0.0282	0.0112		mg/Kg-dry	1	08/31/21 12:37:53
1,2-Dichloropropane	ND	0.0282	0.0120		mg/Kg-dry	1	08/31/21 12:37:53
Bromodichloromethane	ND	0.0352	0.0102		mg/Kg-dry	1	08/31/21 12:37:53
Dibromomethane	ND	0.0282	0.00818		mg/Kg-dry	1	08/31/21 12:37:53
cis-1,3-Dichloropropene	ND	0.113	0.00933		mg/Kg-dry	1	08/31/21 12:37:53
Toluene	ND	0.0423	0.00712		mg/Kg-dry	1	08/31/21 12:37:53
Trans-1,3-Dichloropropylene	ND	0.0705	0.00874		mg/Kg-dry	1	08/31/21 12:37:53
Methyl Isobutyl Ketone (MIBK)	ND	0.106	0.0394		mg/Kg-dry	1	08/31/21 12:37:53
1,1,2-Trichloroethane	ND	0.0240	0.00544		mg/Kg-dry	1	08/31/21 12:37:53
1,3-Dichloropropane	ND	0.0282	0.00405		mg/Kg-dry	1	08/31/21 12:37:53
Tetrachloroethene (PCE)	ND	0.0564	0.00664		mg/Kg-dry	1	08/31/21 12:37:53
Dibromochloromethane	ND	0.0282	0.00787		mg/Kg-dry	1	08/31/21 12:37:53
1,2-Dibromoethane (EDB)	ND	0.0141	0.00483		mg/Kg-dry	1	08/31/21 12:37:53
2-Hexanone (MBK)	ND	0.0846	0.0408		mg/Kg-dry	1	08/31/21 12:37:53
Chlorobenzene	ND	0.0352	0.0101		mg/Kg-dry	1	08/31/21 12:37:53
1,1,1,2-Tetrachloroethane	ND	0.0282	0.00645		mg/Kg-dry	1	08/31/21 12:37:53
Ethylbenzene	ND	0.0352	0.00569		mg/Kg-dry	1	08/31/21 12:37:53
m,p-Xylene	ND	0.0705	0.00848		mg/Kg-dry	1	08/31/21 12:37:53
o-Xylene	ND	0.0352	0.00505		mg/Kg-dry	1	08/31/21 12:37:53
Styrene	ND	0.0352	0.00424		mg/Kg-dry	1	08/31/21 12:37:53
Isopropylbenzene	ND	0.0423	0.00836		mg/Kg-dry	1	08/31/21 12:37:53
Bromoform	ND	0.0352	0.00665		mg/Kg-dry	1	08/31/21 12:37:53
1,1,2,2-Tetrachloroethane	ND	0.0211	0.00881		mg/Kg-dry	1	08/31/21 12:37:53
n-Propylbenzene	ND	0.0423	0.00687		mg/Kg-dry	1	08/31/21 12:37:53
Bromobenzene	ND	0.0423	0.00560		mg/Kg-dry	1	08/31/21 12:37:53
1,3,5-Trimethylbenzene	ND	0.0352	0.00665		mg/Kg-dry	1	08/31/21 12:37:53
2-Chlorotoluene	ND	0.0423	0.00784		mg/Kg-dry	1	08/31/21 12:37:53
4-Chlorotoluene	ND	0.0423	0.00769		mg/Kg-dry	1	08/31/21 12:37:53
tert-Butylbenzene	ND	0.0423	0.00742		mg/Kg-dry	1	08/31/21 12:37:53

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Collection Date: 8/25/2021 2:39:00 PM
Project: Swedish Block 95
Lab ID: 2108360-031
Matrix: Soil
Client Sample ID: B95-AB-18-7.5

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2,3-Trichloropropane	ND	0.0352	0.0185		mg/Kg-dry	1	08/31/21 12:37:53
1,2,4-Trichlorobenzene	ND	0.0564	0.0111		mg/Kg-dry	1	08/31/21 12:37:53
sec-Butylbenzene	ND	0.0423	0.00934		mg/Kg-dry	1	08/31/21 12:37:53
4-Isopropyltoluene	ND	0.0423	0.00855		mg/Kg-dry	1	08/31/21 12:37:53
1,3-Dichlorobenzene	ND	0.0493	0.0101		mg/Kg-dry	1	08/31/21 12:37:53
1,4-Dichlorobenzene	ND	0.0423	0.00608		mg/Kg-dry	1	08/31/21 12:37:53
n-Butylbenzene	ND	0.0564	0.00995		mg/Kg-dry	1	08/31/21 12:37:53
1,2-Dichlorobenzene	ND	0.0423	0.00892		mg/Kg-dry	1	08/31/21 12:37:53
1,2-Dibromo-3-chloropropane	ND	0.0846	0.0176		mg/Kg-dry	1	08/31/21 12:37:53
1,2,4-Trimethylbenzene	ND	0.0352	0.00758		mg/Kg-dry	1	08/31/21 12:37:53
Hexachloro-1,3-butadiene	ND	0.0705	0.0175		mg/Kg-dry	1	08/31/21 12:37:53
Naphthalene	ND	0.141	0.0189		mg/Kg-dry	1	08/31/21 12:37:53
1,2,3-Trichlorobenzene	ND	0.0705	0.00905		mg/Kg-dry	1	08/31/21 12:37:53
Surr: Dibromofluoromethane	92.9	75.5 - 119	0		%Rec	1	08/31/21 12:37:53
Surr: Toluene-d8	98.2	82.4 - 115	0		%Rec	1	08/31/21 12:37:53
Surr: 1-Bromo-4-fluorobenzene	94.4	78.5 - 118	0		%Rec	1	08/31/21 12:37:53

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33503			Analyst: EH
Arsenic	3.55	0.0983	0.0329		mg/Kg-dry	1	08/26/21 19:57:11
Sample Moisture (Percent Moisture)				Batch ID: R69522			Analyst: MCH
Percent Moisture	6.06	0.500	0.100		wt%	1	08/27/21 9:10:05

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-033
Client Sample ID: B95-AB-18-15

Collection Date: 8/25/2021 2:47:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33522			Analyst: MM
Diesel (Fuel Oil)	ND	51.6	11.6		mg/Kg-dry	1	08/27/21 15:28:19
Heavy Oil	ND	103	22.5		mg/Kg-dry	1	08/27/21 15:28:19
Total Petroleum Hydrocarbons	ND	155	34.1		mg/Kg-dry	1	08/27/21 15:28:19
Surr: 2-Fluorobiphenyl	70.8	50 - 150			%Rec	1	08/27/21 15:28:19
Surr: o-Terphenyl	88.5	50 - 150			%Rec	1	08/27/21 15:28:19
Gasoline by NWTPH-Gx				Batch ID: 33539			Analyst: CR
Gasoline	ND	6.11	2.44		mg/Kg-dry	1	08/31/21 13:08:49
Surr: Toluene-d8	103	65 - 135			%Rec	1	08/31/21 13:08:49
Surr: 4-Bromofluorobenzene	110	65 - 135			%Rec	1	08/31/21 13:08:49
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0611	0.00788	Q	mg/Kg-dry	1	08/31/21 13:08:49
Chloromethane	ND	0.0977	0.0244	Q	mg/Kg-dry	1	08/31/21 13:08:49
Vinyl chloride	ND	0.0305	0.0123		mg/Kg-dry	1	08/31/21 13:08:49
Bromomethane	ND	0.183	0.0872		mg/Kg-dry	1	08/31/21 13:08:49
Trichlorofluoromethane (CFC-11)	ND	0.0611	0.0121		mg/Kg-dry	1	08/31/21 13:08:49
Chloroethane	ND	0.147	0.0405		mg/Kg-dry	1	08/31/21 13:08:49
1,1-Dichloroethene	ND	0.122	0.0566		mg/Kg-dry	1	08/31/21 13:08:49
Acetone	ND	0.611	0.0921		mg/Kg-dry	1	08/31/21 13:08:49
Methylene chloride	ND	0.0183	0.00856		mg/Kg-dry	1	08/31/21 13:08:49
trans-1,2-Dichloroethene	ND	0.0366	0.00530		mg/Kg-dry	1	08/31/21 13:08:49
Methyl tert-butyl ether (MTBE)	ND	0.0366	0.0128		mg/Kg-dry	1	08/31/21 13:08:49
1,1-Dichloroethane	ND	0.0305	0.0120		mg/Kg-dry	1	08/31/21 13:08:49
cis-1,2-Dichloroethene	ND	0.0305	0.00787		mg/Kg-dry	1	08/31/21 13:08:49
(MEK) 2-Butanone	ND	0.549	0.133		mg/Kg-dry	1	08/31/21 13:08:49
Chloroform	ND	0.0305	0.00971		mg/Kg-dry	1	08/31/21 13:08:49
1,1,1-Trichloroethane (TCA)	ND	0.0305	0.00820		mg/Kg-dry	1	08/31/21 13:08:49
1,1-Dichloropropene	ND	0.0305	0.0116		mg/Kg-dry	1	08/31/21 13:08:49
Carbon tetrachloride	ND	0.0916	0.00665		mg/Kg-dry	1	08/31/21 13:08:49

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-033
Client Sample ID: B95-AB-18-15

Collection Date: 8/25/2021 2:47:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2-Dichloroethane (EDC)	ND	0.0281	0.00753		mg/Kg-dry	1	08/31/21 13:08:49
Benzene	ND	0.0244	0.0130		mg/Kg-dry	1	08/31/21 13:08:49
Trichloroethene (TCE)	ND	0.0244	0.00974		mg/Kg-dry	1	08/31/21 13:08:49
1,2-Dichloropropane	ND	0.0244	0.0104		mg/Kg-dry	1	08/31/21 13:08:49
Bromodichloromethane	ND	0.0305	0.00880		mg/Kg-dry	1	08/31/21 13:08:49
Dibromomethane	ND	0.0244	0.00709		mg/Kg-dry	1	08/31/21 13:08:49
cis-1,3-Dichloropropene	ND	0.0977	0.00808		mg/Kg-dry	1	08/31/21 13:08:49
Toluene	ND	0.0366	0.00617		mg/Kg-dry	1	08/31/21 13:08:49
Trans-1,3-Dichloropropylene	ND	0.0611	0.00757		mg/Kg-dry	1	08/31/21 13:08:49
Methyl Isobutyl Ketone (MIBK)	ND	0.0916	0.0342		mg/Kg-dry	1	08/31/21 13:08:49
1,1,2-Trichloroethane	ND	0.0208	0.00472		mg/Kg-dry	1	08/31/21 13:08:49
1,3-Dichloropropane	ND	0.0244	0.00351		mg/Kg-dry	1	08/31/21 13:08:49
Tetrachloroethene (PCE)	ND	0.0488	0.00576		mg/Kg-dry	1	08/31/21 13:08:49
Dibromochloromethane	ND	0.0244	0.00682		mg/Kg-dry	1	08/31/21 13:08:49
1,2-Dibromoethane (EDB)	ND	0.0122	0.00418		mg/Kg-dry	1	08/31/21 13:08:49
2-Hexanone (MBK)	ND	0.0733	0.0353		mg/Kg-dry	1	08/31/21 13:08:49
Chlorobenzene	ND	0.0305	0.00875		mg/Kg-dry	1	08/31/21 13:08:49
1,1,1,2-Tetrachloroethane	ND	0.0244	0.00559		mg/Kg-dry	1	08/31/21 13:08:49
Ethylbenzene	ND	0.0305	0.00493		mg/Kg-dry	1	08/31/21 13:08:49
m,p-Xylene	ND	0.0611	0.00735		mg/Kg-dry	1	08/31/21 13:08:49
o-Xylene	ND	0.0305	0.00437		mg/Kg-dry	1	08/31/21 13:08:49
Styrene	ND	0.0305	0.00368		mg/Kg-dry	1	08/31/21 13:08:49
Isopropylbenzene	ND	0.0366	0.00724		mg/Kg-dry	1	08/31/21 13:08:49
Bromoform	ND	0.0305	0.00576		mg/Kg-dry	1	08/31/21 13:08:49
1,1,2,2-Tetrachloroethane	ND	0.0183	0.00763		mg/Kg-dry	1	08/31/21 13:08:49
n-Propylbenzene	ND	0.0366	0.00595		mg/Kg-dry	1	08/31/21 13:08:49
Bromobenzene	ND	0.0366	0.00485		mg/Kg-dry	1	08/31/21 13:08:49
1,3,5-Trimethylbenzene	ND	0.0305	0.00576		mg/Kg-dry	1	08/31/21 13:08:49
2-Chlorotoluene	ND	0.0366	0.00679		mg/Kg-dry	1	08/31/21 13:08:49
4-Chlorotoluene	ND	0.0366	0.00666		mg/Kg-dry	1	08/31/21 13:08:49
tert-Butylbenzene	ND	0.0366	0.00643		mg/Kg-dry	1	08/31/21 13:08:49

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-033
Client Sample ID: B95-AB-18-15

Collection Date: 8/25/2021 2:47:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2,3-Trichloropropane	ND	0.0305	0.0161		mg/Kg-dry	1	08/31/21 13:08:49
1,2,4-Trichlorobenzene	ND	0.0488	0.00963		mg/Kg-dry	1	08/31/21 13:08:49
sec-Butylbenzene	ND	0.0366	0.00809		mg/Kg-dry	1	08/31/21 13:08:49
4-Isopropyltoluene	ND	0.0366	0.00741		mg/Kg-dry	1	08/31/21 13:08:49
1,3-Dichlorobenzene	ND	0.0427	0.00872		mg/Kg-dry	1	08/31/21 13:08:49
1,4-Dichlorobenzene	ND	0.0366	0.00527		mg/Kg-dry	1	08/31/21 13:08:49
n-Butylbenzene	ND	0.0488	0.00862		mg/Kg-dry	1	08/31/21 13:08:49
1,2-Dichlorobenzene	ND	0.0366	0.00773		mg/Kg-dry	1	08/31/21 13:08:49
1,2-Dibromo-3-chloropropane	ND	0.0733	0.0152		mg/Kg-dry	1	08/31/21 13:08:49
1,2,4-Trimethylbenzene	ND	0.0305	0.00657		mg/Kg-dry	1	08/31/21 13:08:49
Hexachloro-1,3-butadiene	ND	0.0611	0.0152		mg/Kg-dry	1	08/31/21 13:08:49
Naphthalene	ND	0.122	0.0164		mg/Kg-dry	1	08/31/21 13:08:49
1,2,3-Trichlorobenzene	ND	0.0611	0.00784		mg/Kg-dry	1	08/31/21 13:08:49
Surr: Dibromofluoromethane	86.6	75.5 - 119	0		%Rec	1	08/31/21 13:08:49
Surr: Toluene-d8	97.6	82.4 - 115	0		%Rec	1	08/31/21 13:08:49
Surr: 1-Bromo-4-fluorobenzene	103	78.5 - 118	0		%Rec	1	08/31/21 13:08:49

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33503			Analyst: EH
Arsenic	2.49	0.106	0.0356		mg/Kg-dry	1	08/26/21 20:02:44
Sample Moisture (Percent Moisture)				Batch ID: R69522			Analyst: MCH
Percent Moisture	12.5	0.500	0.100		wt%	1	08/27/21 9:10:05

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-035
Client Sample ID: B95-AB-18-25

Collection Date: 8/25/2021 3:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33522			Analyst: MM
Diesel (Fuel Oil)	ND	48.8	11.0		mg/Kg-dry	1	08/27/21 15:41:07
Heavy Oil	ND	97.6	21.3		mg/Kg-dry	1	08/27/21 15:41:07
Total Petroleum Hydrocarbons	ND	146	32.3		mg/Kg-dry	1	08/27/21 15:41:07
Surr: 2-Fluorobiphenyl	67.1	50 - 150			%Rec	1	08/27/21 15:41:07
Surr: o-Terphenyl	82.7	50 - 150			%Rec	1	08/27/21 15:41:07
Gasoline by NWTPH-Gx				Batch ID: 33539			Analyst: CR
Gasoline	ND	6.25	2.50		mg/Kg-dry	1	08/31/21 13:39:41
Surr: Toluene-d8	97.1	65 - 135			%Rec	1	08/31/21 13:39:41
Surr: 4-Bromofluorobenzene	108	65 - 135			%Rec	1	08/31/21 13:39:41
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0625	0.00807	Q	mg/Kg-dry	1	08/31/21 13:39:41
Chloromethane	ND	0.100	0.0250	Q	mg/Kg-dry	1	08/31/21 13:39:41
Vinyl chloride	ND	0.0313	0.0126		mg/Kg-dry	1	08/31/21 13:39:41
Bromomethane	ND	0.188	0.0893		mg/Kg-dry	1	08/31/21 13:39:41
Trichlorofluoromethane (CFC-11)	ND	0.0625	0.0124		mg/Kg-dry	1	08/31/21 13:39:41
Chloroethane	ND	0.150	0.0415		mg/Kg-dry	1	08/31/21 13:39:41
1,1-Dichloroethene	ND	0.125	0.0580		mg/Kg-dry	1	08/31/21 13:39:41
Acetone	ND	0.625	0.0943		mg/Kg-dry	1	08/31/21 13:39:41
Methylene chloride	ND	0.0188	0.00876		mg/Kg-dry	1	08/31/21 13:39:41
trans-1,2-Dichloroethene	ND	0.0375	0.00542		mg/Kg-dry	1	08/31/21 13:39:41
Methyl tert-butyl ether (MTBE)	ND	0.0375	0.0131		mg/Kg-dry	1	08/31/21 13:39:41
1,1-Dichloroethane	ND	0.0313	0.0123		mg/Kg-dry	1	08/31/21 13:39:41
cis-1,2-Dichloroethene	ND	0.0313	0.00806		mg/Kg-dry	1	08/31/21 13:39:41
(MEK) 2-Butanone	ND	0.563	0.137		mg/Kg-dry	1	08/31/21 13:39:41
Chloroform	ND	0.0313	0.00994		mg/Kg-dry	1	08/31/21 13:39:41
1,1,1-Trichloroethane (TCA)	ND	0.0313	0.00840		mg/Kg-dry	1	08/31/21 13:39:41
1,1-Dichloropropene	ND	0.0313	0.0119		mg/Kg-dry	1	08/31/21 13:39:41
Carbon tetrachloride	ND	0.0938	0.00681		mg/Kg-dry	1	08/31/21 13:39:41

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-035
Client Sample ID: B95-AB-18-25

Collection Date: 8/25/2021 3:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2-Dichloroethane (EDC)	ND	0.0288	0.00771		mg/Kg-dry	1	08/31/21 13:39:41
Benzene	ND	0.0250	0.0133		mg/Kg-dry	1	08/31/21 13:39:41
Trichloroethene (TCE)	ND	0.0250	0.00997		mg/Kg-dry	1	08/31/21 13:39:41
1,2-Dichloropropane	ND	0.0250	0.0106		mg/Kg-dry	1	08/31/21 13:39:41
Bromodichloromethane	ND	0.0313	0.00902		mg/Kg-dry	1	08/31/21 13:39:41
Dibromomethane	ND	0.0250	0.00726		mg/Kg-dry	1	08/31/21 13:39:41
cis-1,3-Dichloropropene	ND	0.100	0.00828		mg/Kg-dry	1	08/31/21 13:39:41
Toluene	ND	0.0375	0.00632		mg/Kg-dry	1	08/31/21 13:39:41
Trans-1,3-Dichloropropylene	ND	0.0625	0.00776		mg/Kg-dry	1	08/31/21 13:39:41
Methyl Isobutyl Ketone (MIBK)	ND	0.0938	0.0350		mg/Kg-dry	1	08/31/21 13:39:41
1,1,2-Trichloroethane	ND	0.0213	0.00483		mg/Kg-dry	1	08/31/21 13:39:41
1,3-Dichloropropane	ND	0.0250	0.00359		mg/Kg-dry	1	08/31/21 13:39:41
Tetrachloroethene (PCE)	ND	0.0500	0.00590		mg/Kg-dry	1	08/31/21 13:39:41
Dibromochloromethane	ND	0.0250	0.00698		mg/Kg-dry	1	08/31/21 13:39:41
1,2-Dibromoethane (EDB)	ND	0.0125	0.00428		mg/Kg-dry	1	08/31/21 13:39:41
2-Hexanone (MBK)	ND	0.0750	0.0362		mg/Kg-dry	1	08/31/21 13:39:41
Chlorobenzene	ND	0.0313	0.00896		mg/Kg-dry	1	08/31/21 13:39:41
1,1,1,2-Tetrachloroethane	ND	0.0250	0.00572		mg/Kg-dry	1	08/31/21 13:39:41
Ethylbenzene	ND	0.0313	0.00505		mg/Kg-dry	1	08/31/21 13:39:41
m,p-Xylene	ND	0.0625	0.00753		mg/Kg-dry	1	08/31/21 13:39:41
o-Xylene	ND	0.0313	0.00448		mg/Kg-dry	1	08/31/21 13:39:41
Styrene	ND	0.0313	0.00377		mg/Kg-dry	1	08/31/21 13:39:41
Isopropylbenzene	ND	0.0375	0.00741		mg/Kg-dry	1	08/31/21 13:39:41
Bromoform	ND	0.0313	0.00590		mg/Kg-dry	1	08/31/21 13:39:41
1,1,2,2-Tetrachloroethane	ND	0.0188	0.00782		mg/Kg-dry	1	08/31/21 13:39:41
n-Propylbenzene	ND	0.0375	0.00610		mg/Kg-dry	1	08/31/21 13:39:41
Bromobenzene	ND	0.0375	0.00497		mg/Kg-dry	1	08/31/21 13:39:41
1,3,5-Trimethylbenzene	ND	0.0313	0.00590		mg/Kg-dry	1	08/31/21 13:39:41
2-Chlorotoluene	ND	0.0375	0.00696		mg/Kg-dry	1	08/31/21 13:39:41
4-Chlorotoluene	ND	0.0375	0.00683		mg/Kg-dry	1	08/31/21 13:39:41
tert-Butylbenzene	ND	0.0375	0.00659		mg/Kg-dry	1	08/31/21 13:39:41

Analytical Report

Work Order: **2108360**
Date Reported: **9/1/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108360-035
Client Sample ID: B95-AB-18-25

Collection Date: 8/25/2021 3:00:00 PM
Matrix: Soil

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33539			Analyst: CR
1,2,3-Trichloropropane	ND	0.0313	0.0164		mg/Kg-dry	1	08/31/21 13:39:41
1,2,4-Trichlorobenzene	ND	0.0500	0.00987		mg/Kg-dry	1	08/31/21 13:39:41
sec-Butylbenzene	ND	0.0375	0.00828		mg/Kg-dry	1	08/31/21 13:39:41
4-Isopropyltoluene	ND	0.0375	0.00759		mg/Kg-dry	1	08/31/21 13:39:41
1,3-Dichlorobenzene	ND	0.0438	0.00894		mg/Kg-dry	1	08/31/21 13:39:41
1,4-Dichlorobenzene	ND	0.0375	0.00540		mg/Kg-dry	1	08/31/21 13:39:41
n-Butylbenzene	ND	0.0500	0.00883		mg/Kg-dry	1	08/31/21 13:39:41
1,2-Dichlorobenzene	ND	0.0375	0.00792		mg/Kg-dry	1	08/31/21 13:39:41
1,2-Dibromo-3-chloropropane	ND	0.0750	0.0156		mg/Kg-dry	1	08/31/21 13:39:41
1,2,4-Trimethylbenzene	ND	0.0313	0.00673		mg/Kg-dry	1	08/31/21 13:39:41
Hexachloro-1,3-butadiene	ND	0.0625	0.0156		mg/Kg-dry	1	08/31/21 13:39:41
Naphthalene	ND	0.125	0.0168		mg/Kg-dry	1	08/31/21 13:39:41
1,2,3-Trichlorobenzene	ND	0.0625	0.00803		mg/Kg-dry	1	08/31/21 13:39:41
Surr: Dibromofluoromethane	90.5	75.5 - 119	0		%Rec	1	08/31/21 13:39:41
Surr: Toluene-d8	99.4	82.4 - 115	0		%Rec	1	08/31/21 13:39:41
Surr: 1-Bromo-4-fluorobenzene	101	78.5 - 118	0		%Rec	1	08/31/21 13:39:41

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33503			Analyst: EH
Arsenic	2.40	0.103	0.0344		mg/Kg-dry	1	08/26/21 20:08:19
Sample Moisture (Percent Moisture)				Batch ID: R69522			Analyst: MCH
Percent Moisture	10.8	0.500	0.100		wt%	1	08/27/21 9:10:05

Date: *9/1/2021*

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-33503** SampType: **MBLK** Units: **mg/Kg** Prep Date: **8/26/2021** RunNo: **69516**
Client ID: **MBLKS** Batch ID: **33503** Analysis Date: **8/26/2021** SeqNo: **1408962**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0916									

Sample ID: **LCS-33503** SampType: **LCS** Units: **mg/Kg** Prep Date: **8/26/2021** RunNo: **69516**
Client ID: **LCSS** Batch ID: **33503** Analysis Date: **8/26/2021** SeqNo: **1408963**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	35.0	0.0916	38.17	0	91.6	80	120				

Sample ID: **2108360-004AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **8/26/2021** RunNo: **69516**
Client ID: **B95-AB-21-10** Batch ID: **33503** Analysis Date: **8/26/2021** SeqNo: **1408966**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	41.4	0.102	42.39	3.879	88.5	75	125				

Sample ID: **2108360-004AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **8/26/2021** RunNo: **69516**
Client ID: **B95-AB-21-10** Batch ID: **33503** Analysis Date: **8/26/2021** SeqNo: **1408967**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	39.5	0.0949	39.54	3.879	90.1	75	125	41.39	4.70	20	

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-33501** SampType: **MBLK** Units: **mg/Kg** Prep Date: **8/26/2021** RunNo: **69563**
Client ID: **MBLKS** Batch ID: **33501** Analysis Date: **8/26/2021** SeqNo: **1410088**

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	9.46		10.00		94.6	50	150				
Surr: o-Terphenyl	10.5		10.00		105	50	150				

Sample ID: **LCS-33501** SampType: **LCS** Units: **mg/Kg** Prep Date: **8/26/2021** RunNo: **69563**
Client ID: **LCSS** Batch ID: **33501** Analysis Date: **8/26/2021** SeqNo: **1410089**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	542	150	500.0	0	108	77.2	122				
Surr: 2-Fluorobiphenyl	9.22		10.00		92.2	50	150				
Surr: o-Terphenyl	12.2		10.00		122	50	150				

Sample ID: **2108212-001ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **8/26/2021** RunNo: **69563**
Client ID: **BATCH** Batch ID: **33501** Analysis Date: **8/26/2021** SeqNo: **1410091**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	53.6						0	0	30	
Heavy Oil	ND	107						0	0	30	
Total Petroleum Hydrocarbons	ND	161						0	0	30	
Surr: 2-Fluorobiphenyl	9.55		10.71		89.1	50	150		0		
Surr: o-Terphenyl	10.5		10.71		97.7	50	150		0		

Sample ID: **2108212-004AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **8/26/2021** RunNo: **69563**
Client ID: **BATCH** Batch ID: **33501** Analysis Date: **8/26/2021** SeqNo: **1410093**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	568	151	502.8	0	113	68	132				

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2108212-004AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **8/26/2021** RunNo: **69563**
Client ID: **BATCH** Batch ID: **33501** Analysis Date: **8/26/2021** SeqNo: **1410093**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	8.23		10.06		81.8	50	150				
Surr: o-Terphenyl	10.6		10.06		105	50	150				

Sample ID: **2108212-004AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **8/26/2021** RunNo: **69563**
Client ID: **BATCH** Batch ID: **33501** Analysis Date: **8/26/2021** SeqNo: **1410094**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	692	157	522.7	0	132	68	132	568.0	19.6	30	
Surr: 2-Fluorobiphenyl	9.38		10.45		89.7	50	150		0		
Surr: o-Terphenyl	11.8		10.45		113	50	150		0		

Sample ID: **MB-33522** SampType: **MBLK** Units: **mg/Kg** Prep Date: **8/27/2021** RunNo: **69543**
Client ID: **MBLKS** Batch ID: **33522** Analysis Date: **8/27/2021** SeqNo: **1409572**

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	40.8	100									J
Total Petroleum Hydrocarbons	40.8	150									J
Surr: 2-Fluorobiphenyl	8.69		10.00		86.9	50	150				
Surr: o-Terphenyl	10.1		10.00		101	50	150				

Sample ID: **MB-33522** SampType: **MBLK** Units: **mg/Kg** Prep Date: **8/27/2021** RunNo: **69573**
Client ID: **MBLKS** Batch ID: **33522** Analysis Date: **8/27/2021** SeqNo: **1410223**

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	40.8	100									J
Total Petroleum Hydrocarbons	40.8	150									J
Surr: 2-Fluorobiphenyl	8.69		10.00		86.9	50	150				

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-33522** SampType: **MBLK** Units: **mg/Kg** Prep Date: **8/27/2021** RunNo: **69573**
Client ID: **MBLKS** Batch ID: **33522** Analysis Date: **8/27/2021** SeqNo: **1410223**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: o-Terphenyl	10.1		10.00		101	50	150				

Sample ID: **LCS-33522** SampType: **LCS** Units: **mg/Kg** Prep Date: **8/27/2021** RunNo: **69543**
Client ID: **LCSS** Batch ID: **33522** Analysis Date: **8/27/2021** SeqNo: **1409573**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	507	150	500.0	0	101	77.2	122				
Surr: 2-Fluorobiphenyl	9.09		10.00		90.9	50	150				
Surr: o-Terphenyl	12.1		10.00		121	50	150				

Sample ID: **LCS-33522** SampType: **LCS** Units: **mg/Kg** Prep Date: **8/27/2021** RunNo: **69573**
Client ID: **LCSS** Batch ID: **33522** Analysis Date: **8/27/2021** SeqNo: **1410224**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	507	150	500.0	0	101	77.2	122				
Surr: 2-Fluorobiphenyl	9.09		10.00		90.9	50	150				
Surr: o-Terphenyl	12.1		10.00		121	50	150				

Sample ID: **2108360-025AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **8/27/2021** RunNo: **69573**
Client ID: **B95-AB-19-10** Batch ID: **33522** Analysis Date: **8/27/2021** SeqNo: **1410228**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	590	151	503.5	189.1	79.7	68	132				
Surr: 2-Fluorobiphenyl	8.55		10.07		84.9	50	150				
Surr: o-Terphenyl	11.5		10.07		114	50	150				

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2108360-025AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **8/27/2021** RunNo: **69573**
Client ID: **B95-AB-19-10** Batch ID: **33522** Analysis Date: **8/27/2021** SeqNo: **1410229**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	574	146	487.2	189.1	79.1	68	132	590.2	2.70	30	
Surr: 2-Fluorobiphenyl	8.60		9.745		88.3	50	150		0		
Surr: o-Terphenyl	11.3		9.745		116	50	150		0		

Sample ID: **2108360-027ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **8/27/2021** RunNo: **69573**
Client ID: **B95-AB-19-20** Batch ID: **33522** Analysis Date: **8/27/2021** SeqNo: **1410233**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	51.4						0	0	30	
Heavy Oil	ND	103						0	0	30	
Total Petroleum Hydrocarbons	ND	154						0	0	30	
Surr: 2-Fluorobiphenyl	6.21		10.27		60.4	50	150		0		
Surr: o-Terphenyl	7.85		10.27		76.4	50	150		0		

Date: *9/1/2021*

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-33539** SampType: **LCS** Units: **mg/Kg** Prep Date: **8/30/2021** RunNo: **69614**
Client ID: **LCSS** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410971**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	26.8	5.00	25.00	0	107	65	135				
Surr: Toluene-d8	1.23		1.250		98.3	65	135				
Surr: 4-Bromofluorobenzene	1.33		1.250		106	65	135				

Sample ID: **MB-33539** SampType: **MBLK** Units: **mg/Kg** Prep Date: **8/30/2021** RunNo: **69614**
Client ID: **MBLKS** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410972**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.21		1.250		96.9	65	135				
Surr: 4-Bromofluorobenzene	1.33		1.250		107	65	135				

Sample ID: **2108360-006BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **8/30/2021** RunNo: **69614**
Client ID: **B95-AB-21-20** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410976**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	6.94	9.47						7.972	13.8	30	J
Surr: Toluene-d8	2.33		2.367		98.6	65	135		0		
Surr: 4-Bromofluorobenzene	2.33		2.367		98.5	65	135		0		

Sample ID: **2108360-011BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **8/30/2021** RunNo: **69614**
Client ID: **B95-AB-20-10** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410979**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	7.56						0	0	30	
Surr: Toluene-d8	1.83		1.889		97.0	65	135		0		
Surr: 4-Bromofluorobenzene	1.97		1.889		104	65	135		0		

Date: *9/1/2021*

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2108360-016BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **8/30/2021** RunNo: **69614**
Client ID: **B95-AB-22-5.0** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410983**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	80.5	12.0	60.24	7.548	121	65	135				
Surr: Toluene-d8	2.92		3.012		97.1	65	135				
Surr: 4-Bromofluorobenzene	3.17		3.012		105	65	135				

Date: *9/1/2021*

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-33539** SampType: **LCS** Units: **mg/Kg** Prep Date: **8/30/2021** RunNo: **69613**
Client ID: **LCSS** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410929**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.544	0.0500	1.000	0	54.4	80	120				S
Chloromethane	0.705	0.0800	1.000	0	70.5	80	120				S
Vinyl chloride	0.815	0.0250	1.000	0	81.5	80	120				
Bromomethane	0.854	0.150	1.000	0	85.4	80	120				
Trichlorofluoromethane (CFC-11)	0.949	0.0500	1.000	0	94.9	80	120				
Chloroethane	0.890	0.120	1.000	0	89.0	80	120				
1,1-Dichloroethene	0.955	0.100	1.000	0	95.5	80	120				
Acetone	2.36	0.500	2.500	0	94.4	80	120				
Methylene chloride	0.944	0.0150	1.000	0	94.4	80	120				
trans-1,2-Dichloroethene	0.960	0.0300	1.000	0	96.0	80	120				
Methyl tert-butyl ether (MTBE)	1.02	0.0300	1.000	0	102	80	120				
1,1-Dichloroethane	1.00	0.0250	1.000	0	100	80	120				
cis-1,2-Dichloroethene	0.957	0.0250	1.000	0	95.7	80	120				
(MEK) 2-Butanone	2.31	0.450	2.500	0	92.3	80	120				
Chloroform	0.902	0.0250	1.000	0	90.2	80	120				
1,1,1-Trichloroethane (TCA)	0.973	0.0250	1.000	0	97.3	80	120				
1,1-Dichloropropene	1.01	0.0250	1.000	0	101	80	120				
Carbon tetrachloride	1.04	0.0750	1.000	0	104	80	120				
1,2-Dichloroethane (EDC)	0.979	0.0230	1.000	0	97.9	80	120				
Benzene	0.980	0.0200	1.000	0	98.0	80	120				
Trichloroethene (TCE)	0.944	0.0200	1.000	0	94.4	80	120				
1,2-Dichloropropane	1.05	0.0200	1.000	0	105	80	120				
Bromodichloromethane	1.08	0.0250	1.000	0	108	80	120				
Dibromomethane	0.940	0.0200	1.000	0	94.0	80	120				
cis-1,3-Dichloropropene	0.914	0.0800	1.000	0	91.4	80	120				
Toluene	0.984	0.0300	1.000	0	98.4	80	120				
Trans-1,3-Dichloropropylene	0.944	0.0500	1.000	0	94.4	80	120				
Methyl Isobutyl Ketone (MIBK)	2.64	0.0750	2.500	0	105	80	120				
1,1,2-Trichloroethane	0.993	0.0170	1.000	0	99.3	80	120				
1,3-Dichloropropane	1.02	0.0200	1.000	0	102	80	120				

Date: *9/1/2021*

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-33539** SampType: **LCS** Units: **mg/Kg** Prep Date: **8/30/2021** RunNo: **69613**
Client ID: **LCSS** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410929**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.982	0.0400	1.000	0	98.2	80	120				
Dibromochloromethane	1.09	0.0200	1.000	0	109	80	120				
1,2-Dibromoethane (EDB)	0.998	0.0100	1.000	0	99.8	80	120				
2-Hexanone (MBK)	2.50	0.0600	2.500	0	99.8	80	120				
Chlorobenzene	0.984	0.0250	1.000	0	98.4	80	120				
1,1,1,2-Tetrachloroethane	1.00	0.0200	1.000	0	100	80	120				
Ethylbenzene	1.02	0.0250	1.000	0	102	80	120				
m,p-Xylene	2.04	0.0500	2.000	0	102	80	120				
o-Xylene	0.975	0.0250	1.000	0	97.5	80	120				
Styrene	0.976	0.0250	1.000	0	97.6	80	120				
Isopropylbenzene	1.01	0.0300	1.000	0	101	80	120				
Bromoform	1.05	0.0250	1.000	0	105	80	120				
1,1,2,2-Tetrachloroethane	0.989	0.0150	1.000	0	98.9	80	120				
n-Propylbenzene	1.05	0.0300	1.000	0	105	80	120				
Bromobenzene	1.03	0.0300	1.000	0	103	80	120				
1,3,5-Trimethylbenzene	0.979	0.0250	1.000	0	97.9	80	120				
2-Chlorotoluene	0.981	0.0300	1.000	0	98.1	80	120				
4-Chlorotoluene	0.970	0.0300	1.000	0	97.0	80	120				
tert-Butylbenzene	0.995	0.0300	1.000	0	99.5	80	120				
1,2,3-Trichloropropane	1.02	0.0250	1.000	0	102	80	120				
1,2,4-Trichlorobenzene	0.964	0.0400	1.000	0	96.4	80	120				
sec-Butylbenzene	1.03	0.0300	1.000	0	103	80	120				
4-Isopropyltoluene	0.963	0.0300	1.000	0	96.3	80	120				
1,3-Dichlorobenzene	0.936	0.0350	1.000	0	93.6	80	120				
1,4-Dichlorobenzene	0.990	0.0300	1.000	0	99.0	80	120				
n-Butylbenzene	0.981	0.0400	1.000	0	98.1	80	120				
1,2-Dichlorobenzene	0.980	0.0300	1.000	0	98.0	80	120				
1,2-Dibromo-3-chloropropane	0.902	0.0600	1.000	0	90.2	80	120				
1,2,4-Trimethylbenzene	0.982	0.0250	1.000	0	98.2	80	120				
Hexachloro-1,3-butadiene	0.979	0.0500	1.000	0	97.9	80	120				

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-33539** SampType: **LCS** Units: **mg/Kg** Prep Date: **8/30/2021** RunNo: **69613**
Client ID: **LCSS** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410929**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.839	0.100	1.000	0	83.9	80	120				
1,2,3-Trichlorobenzene	0.843	0.0500	1.000	0	84.3	80	120				
Surr: Dibromofluoromethane	1.27		1.250		101	75.5	120				
Surr: Toluene-d8	1.34		1.250		107	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		103	78.5	120				

NOTES:
S - Outlying spike recovery observed (low bias). Samples will be qualified with a Q.

Sample ID: **MB-33539** SampType: **MBLK** Units: **mg/Kg** Prep Date: **8/30/2021** RunNo: **69613**
Client ID: **MBLKS** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410930**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0500									Q
Chloromethane	ND	0.0800									Q
Vinyl chloride	ND	0.0250									
Bromomethane	ND	0.150									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.120									
1,1-Dichloroethene	ND	0.100									
Acetone	ND	0.500									
Methylene chloride	ND	0.0150									
trans-1,2-Dichloroethene	ND	0.0300									
Methyl tert-butyl ether (MTBE)	ND	0.0300									
1,1-Dichloroethane	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0250									
(MEK) 2-Butanone	ND	0.450									
Chloroform	ND	0.0250									
1,1,1-Trichloroethane (TCA)	ND	0.0250									
1,1-Dichloropropene	ND	0.0250									
Carbon tetrachloride	ND	0.0750									
1,2-Dichloroethane (EDC)	ND	0.0230									

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-33539**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **8/30/2021**	RunNo: **69613**
Client ID: **MBLKS**	Batch ID: **33539**		Analysis Date: **8/31/2021**	SeqNo: **1410930**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0250									
Dibromomethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0800									
Toluene	ND	0.0300									
Trans-1,3-Dichloropropylene	ND	0.0500									
Methyl Isobutyl Ketone (MIBK)	ND	0.0750									
1,1,2-Trichloroethane	ND	0.0170									
1,3-Dichloropropane	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Dibromochloromethane	ND	0.0200									
1,2-Dibromoethane (EDB)	ND	0.0100									
2-Hexanone (MBK)	ND	0.0600									
Chlorobenzene	ND	0.0250									
1,1,1,2-Tetrachloroethane	ND	0.0200									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0250									
Isopropylbenzene	ND	0.0300									
Bromoform	ND	0.0250									
1,1,2,2-Tetrachloroethane	ND	0.0150									
n-Propylbenzene	ND	0.0300									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0250									
2-Chlorotoluene	ND	0.0300									
4-Chlorotoluene	ND	0.0300									
tert-Butylbenzene	ND	0.0300									

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-33539** SampType: **MBLK** Units: **mg/Kg** Prep Date: **8/30/2021** RunNo: **69613**
Client ID: **MBLKS** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410930**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	0.0250									
1,2,4-Trichlorobenzene	ND	0.0400									
sec-Butylbenzene	ND	0.0300									
4-Isopropyltoluene	ND	0.0300									
1,3-Dichlorobenzene	ND	0.0350									
1,4-Dichlorobenzene	ND	0.0300									
n-Butylbenzene	ND	0.0400									
1,2-Dichlorobenzene	ND	0.0300									
1,2-Dibromo-3-chloropropane	ND	0.0600									
1,2,4-Trimethylbenzene	ND	0.0250									
Hexachloro-1,3-butadiene	ND	0.0500									
Naphthalene	0.0436	0.100									J
1,2,3-Trichlorobenzene	ND	0.0500									
Surr: Dibromofluoromethane	1.20		1.250		95.6	75.5	119				
Surr: Toluene-d8	1.18		1.250		94.2	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.4	78.5	118				

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Sample ID: **2108360-006BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **8/30/2021** RunNo: **69613**
Client ID: **B95-AB-21-20** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410934**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0947						0	0	30	Q
Chloromethane	ND	0.151						0	0	30	Q
Vinyl chloride	ND	0.0473						0	0	30	
Bromomethane	ND	0.284						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	0.0947						0	0	30	
Chloroethane	ND	0.227						0	0	30	
1,1-Dichloroethene	ND	0.189						0	0	30	
Acetone	ND	0.947						0	0	30	

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108360-006BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **8/30/2021** RunNo: **69613**
Client ID: **B95-AB-21-20** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410934**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	ND	0.0284						0	0	30	
trans-1,2-Dichloroethene	ND	0.0568						0	0	30	
Methyl tert-butyl ether (MTBE)	ND	0.0568						0	0	30	
1,1-Dichloroethane	ND	0.0473						0	0	30	
cis-1,2-Dichloroethene	ND	0.0473						0	0	30	
(MEK) 2-Butanone	ND	0.852						0	0	30	
Chloroform	ND	0.0473						0	0	30	
1,1,1-Trichloroethane (TCA)	ND	0.0473						0	0	30	
1,1-Dichloropropene	ND	0.0473						0	0	30	
Carbon tetrachloride	ND	0.142						0	0	30	
1,2-Dichloroethane (EDC)	ND	0.0435						0	0	30	
Benzene	ND	0.0379						0	0	30	
Trichloroethene (TCE)	ND	0.0379						0	0	30	
1,2-Dichloropropane	ND	0.0379						0	0	30	
Bromodichloromethane	ND	0.0473						0	0	30	
Dibromomethane	ND	0.0379						0	0	30	
cis-1,3-Dichloropropene	ND	0.151						0	0	30	
Toluene	ND	0.0568						0	0	30	
Trans-1,3-Dichloropropylene	ND	0.0947						0	0	30	
Methyl Isobutyl Ketone (MIBK)	ND	0.142						0	0	30	
1,1,2-Trichloroethane	ND	0.0322						0	0	30	
1,3-Dichloropropane	ND	0.0379						0	0	30	
Tetrachloroethene (PCE)	ND	0.0757						0	0	30	
Dibromochloromethane	ND	0.0379						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.0189						0	0	30	
2-Hexanone (MBK)	ND	0.114						0	0	30	
Chlorobenzene	ND	0.0473						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.0379						0	0	30	
Ethylbenzene	ND	0.0473						0	0	30	
m,p-Xylene	ND	0.0947						0	0	30	

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108360-006BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **8/30/2021** RunNo: **69613**
Client ID: **B95-AB-21-20** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410934**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	0.0473						0	0	30	
Styrene	ND	0.0473						0	0	30	
Isopropylbenzene	ND	0.0568						0	0	30	
Bromoform	ND	0.0473						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.0284						0	0	30	
n-Propylbenzene	ND	0.0568						0	0	30	
Bromobenzene	ND	0.0568						0	0	30	
1,3,5-Trimethylbenzene	ND	0.0473						0	0	30	
2-Chlorotoluene	ND	0.0568						0	0	30	
4-Chlorotoluene	ND	0.0568						0	0	30	
tert-Butylbenzene	ND	0.0568						0	0	30	
1,2,3-Trichloropropane	ND	0.0473						0	0	30	
1,2,4-Trichlorobenzene	ND	0.0757						0	0	30	
sec-Butylbenzene	ND	0.0568						0	0	30	
4-Isopropyltoluene	ND	0.0568						0	0	30	
1,3-Dichlorobenzene	ND	0.0663						0	0	30	
1,4-Dichlorobenzene	ND	0.0568						0	0	30	
n-Butylbenzene	ND	0.0757						0	0	30	
1,2-Dichlorobenzene	ND	0.0568						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.114						0	0	30	
1,2,4-Trimethylbenzene	ND	0.0473						0	0	30	
Hexachloro-1,3-butadiene	ND	0.0947						0	0	30	
Naphthalene	ND	0.189						0.04601	200	30	
1,2,3-Trichlorobenzene	ND	0.0947						0	0	30	
Surr: Dibromofluoromethane	2.25		2.367		95.2	75.5	119		0		
Surr: Toluene-d8	2.55		2.367		108	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	2.17		2.367		91.7	78.5	118		0		

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108360-011BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **8/30/2021** RunNo: **69613**
Client ID: **B95-AB-20-10** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410937**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0756						0	0	30	Q
Chloromethane	ND	0.121						0	0	30	Q
Vinyl chloride	ND	0.0378						0	0	30	
Bromomethane	ND	0.227						0	0	30	
Trichlorofluoromethane (CFC-11)	ND	0.0756						0	0	30	
Chloroethane	ND	0.181						0	0	30	
1,1-Dichloroethene	ND	0.151						0	0	30	
Acetone	ND	0.756						0	0	30	
Methylene chloride	ND	0.0227						0	0	30	
trans-1,2-Dichloroethene	ND	0.0453						0	0	30	
Methyl tert-butyl ether (MTBE)	ND	0.0453						0	0	30	
1,1-Dichloroethane	ND	0.0378						0	0	30	
cis-1,2-Dichloroethene	ND	0.0378						0	0	30	
(MEK) 2-Butanone	ND	0.680						0	0	30	
Chloroform	ND	0.0378						0	0	30	
1,1,1-Trichloroethane (TCA)	ND	0.0378						0	0	30	
1,1-Dichloropropene	ND	0.0378						0	0	30	
Carbon tetrachloride	ND	0.113						0	0	30	
1,2-Dichloroethane (EDC)	ND	0.0348						0	0	30	
Benzene	ND	0.0302						0	0	30	
Trichloroethene (TCE)	ND	0.0302						0	0	30	
1,2-Dichloropropane	ND	0.0302						0	0	30	
Bromodichloromethane	ND	0.0378						0	0	30	
Dibromomethane	ND	0.0302						0	0	30	
cis-1,3-Dichloropropene	ND	0.121						0	0	30	
Toluene	ND	0.0453						0	0	30	
Trans-1,3-Dichloropropylene	ND	0.0756						0	0	30	
Methyl Isobutyl Ketone (MIBK)	ND	0.113						0	0	30	
1,1,2-Trichloroethane	ND	0.0257						0	0	30	
1,3-Dichloropropane	ND	0.0302						0	0	30	

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108360-011BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **8/30/2021** RunNo: **69613**
Client ID: **B95-AB-20-10** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410937**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0604						0	0	30	
Dibromochloromethane	ND	0.0302						0	0	30	
1,2-Dibromoethane (EDB)	ND	0.0151						0	0	30	
2-Hexanone (MBK)	ND	0.0907						0	0	30	
Chlorobenzene	ND	0.0378						0	0	30	
1,1,1,2-Tetrachloroethane	ND	0.0302						0	0	30	
Ethylbenzene	ND	0.0378						0	0	30	
m,p-Xylene	ND	0.0756						0	0	30	
o-Xylene	ND	0.0378						0	0	30	
Styrene	ND	0.0378						0	0	30	
Isopropylbenzene	ND	0.0453						0	0	30	
Bromoform	ND	0.0378						0	0	30	
1,1,2,2-Tetrachloroethane	ND	0.0227						0	0	30	
n-Propylbenzene	ND	0.0453						0	0	30	
Bromobenzene	ND	0.0453						0	0	30	
1,3,5-Trimethylbenzene	ND	0.0378						0	0	30	
2-Chlorotoluene	ND	0.0453						0	0	30	
4-Chlorotoluene	ND	0.0453						0	0	30	
tert-Butylbenzene	ND	0.0453						0	0	30	
1,2,3-Trichloropropane	ND	0.0378						0	0	30	
1,2,4-Trichlorobenzene	ND	0.0604						0	0	30	
sec-Butylbenzene	ND	0.0453						0	0	30	
4-Isopropyltoluene	ND	0.0453						0	0	30	
1,3-Dichlorobenzene	ND	0.0529						0	0	30	
1,4-Dichlorobenzene	ND	0.0453						0	0	30	
n-Butylbenzene	ND	0.0604						0	0	30	
1,2-Dichlorobenzene	ND	0.0453						0	0	30	
1,2-Dibromo-3-chloropropane	ND	0.0907						0	0	30	
1,2,4-Trimethylbenzene	ND	0.0378						0	0	30	
Hexachloro-1,3-butadiene	ND	0.0756						0	0	30	

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108360-011BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **8/30/2021** RunNo: **69613**
Client ID: **B95-AB-20-10** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410937**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.151						0	0	30	
1,2,3-Trichlorobenzene	ND	0.0756						0	0	30	
Surr: Dibromofluoromethane	1.73		1.889		91.4	75.5	119		0		
Surr: Toluene-d8	1.86		1.889		98.2	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.83		1.889		96.7	78.5	118		0		

NOTES:
Q - Associated LCS is below acceptance criteria. Result may be low-biased.

Sample ID: **2108360-018BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **8/30/2021** RunNo: **69613**
Client ID: **B95-AB-22-10** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410941**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.609	0.0558	1.115	0	54.6	5.35	148				
Chloromethane	0.799	0.0892	1.115	0	71.6	34.4	134				
Vinyl chloride	0.906	0.0279	1.115	0	81.2	50.3	134				
Bromomethane	0.857	0.167	1.115	0	76.8	40.2	164				
Trichlorofluoromethane (CFC-11)	1.03	0.0558	1.115	0	92.4	54.1	142				
Chloroethane	1.02	0.134	1.115	0	91.5	42.4	148				
1,1-Dichloroethene	1.07	0.112	1.115	0	96.2	62.2	138				
Acetone	2.52	0.558	2.788	0	90.5	56.3	172				
Methylene chloride	1.01	0.0167	1.115	0	90.6	66.3	131				
trans-1,2-Dichloroethene	1.06	0.0335	1.115	0	95.3	70.2	132				
Methyl tert-butyl ether (MTBE)	1.10	0.0335	1.115	0	98.7	64.8	140				
1,1-Dichloroethane	1.14	0.0279	1.115	0	102	72	130				
cis-1,2-Dichloroethene	1.07	0.0279	1.115	0	95.6	79.6	125				
(MEK) 2-Butanone	2.55	0.502	2.788	0	91.4	73.1	138				
Chloroform	1.02	0.0279	1.115	0	91.9	77.3	128				
1,1,1-Trichloroethane (TCA)	1.15	0.0279	1.115	0	103	81.2	124				
1,1-Dichloropropene	1.15	0.0279	1.115	0	103	77.9	127				
Carbon tetrachloride	1.12	0.0836	1.115	0	101	76.9	126				
1,2-Dichloroethane (EDC)	1.13	0.0257	1.115	0	101	74.1	130				

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108360-018BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **8/30/2021** RunNo: **69613**
Client ID: **B95-AB-22-10** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410941**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.14	0.0223	1.115	0	102	75.3	131				
Trichloroethene (TCE)	1.13	0.0223	1.115	0	101	78.9	132				
1,2-Dichloropropane	1.09	0.0223	1.115	0	97.6	77	126				
Bromodichloromethane	1.04	0.0279	1.115	0	93.0	75.1	127				
Dibromomethane	1.01	0.0223	1.115	0	90.9	77.6	126				
cis-1,3-Dichloropropene	0.992	0.0892	1.115	0	88.9	74.5	123				
Toluene	1.07	0.0335	1.115	0	96.4	79.2	130				
Trans-1,3-Dichloropropylene	0.985	0.0558	1.115	0	88.4	74.3	124				
Methyl Isobutyl Ketone (MIBK)	2.54	0.0836	2.788	0	91.2	71.8	141				
1,1,2-Trichloroethane	1.03	0.0190	1.115	0	92.3	77.2	127				
1,3-Dichloropropane	1.06	0.0223	1.115	0	95.4	74.1	129				
Tetrachloroethene (PCE)	1.08	0.0446	1.115	0	96.9	77.7	131				
Dibromochloromethane	1.00	0.0223	1.115	0	89.8	69.7	131				
1,2-Dibromoethane (EDB)	1.05	0.0112	1.115	0	94.1	78.1	126				
2-Hexanone (MBK)	2.51	0.0669	2.788	0	90.0	59.3	153				
Chlorobenzene	1.11	0.0279	1.115	0	99.3	84.7	121				
1,1,1,2-Tetrachloroethane	1.10	0.0223	1.115	0	98.6	81.8	123				
Ethylbenzene	1.19	0.0279	1.115	0	107	79.7	133				
m,p-Xylene	2.36	0.0558	2.231	0	106	81.2	125				
o-Xylene	1.13	0.0279	1.115	0	101	76.9	130				
Styrene	1.12	0.0279	1.115	0	100	86.2	119				
Isopropylbenzene	1.16	0.0335	1.115	0	104	79.4	132				
Bromoform	1.06	0.0279	1.115	0	95.5	69.3	136				
1,1,2,2-Tetrachloroethane	1.02	0.0167	1.115	0	91.5	49.1	149				
n-Propylbenzene	1.21	0.0335	1.115	0	108	77	139				
Bromobenzene	1.16	0.0335	1.115	0	104	77.2	129				
1,3,5-Trimethylbenzene	1.14	0.0279	1.115	0	102	76.7	135				
2-Chlorotoluene	1.16	0.0335	1.115	0	104	76.8	135				
4-Chlorotoluene	1.14	0.0335	1.115	0	102	77.4	131				
tert-Butylbenzene	1.14	0.0335	1.115	0	102	76.5	135				

Work Order: 2108360
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108360-018BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **8/30/2021** RunNo: **69613**
Client ID: **B95-AB-22-10** Batch ID: **33539** Analysis Date: **8/31/2021** SeqNo: **1410941**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	1.09	0.0279	1.115	0	97.9	70.2	132				
1,2,4-Trichlorobenzene	1.09	0.0446	1.115	0	97.3	78.8	129				
sec-Butylbenzene	1.25	0.0335	1.115	0	112	75.7	141				
4-Isopropyltoluene	1.15	0.0335	1.115	0	103	75.2	140				
1,3-Dichlorobenzene	1.11	0.0390	1.115	0	99.3	86.3	123				
1,4-Dichlorobenzene	1.11	0.0335	1.115	0	99.4	86.1	123				
n-Butylbenzene	1.05	0.0446	1.115	0	94.3	79.4	130				
1,2-Dichlorobenzene	1.03	0.0335	1.115	0	92.6	87.8	120				
1,2-Dibromo-3-chloropropane	0.974	0.0669	1.115	0	87.4	69.5	135				
1,2,4-Trimethylbenzene	1.11	0.0279	1.115	0	99.5	76	137				
Hexachloro-1,3-butadiene	1.04	0.0558	1.115	0	93.6	70.9	137				
Naphthalene	1.13	0.112	1.115	0	101	72.3	141				
1,2,3-Trichlorobenzene	1.30	0.0558	1.115	0	116	75.1	133				
Surr: Dibromofluoromethane	1.43		1.394		103	75.5	119				
Surr: Toluene-d8	1.38		1.394		99.1	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.52		1.394		109	78.5	118				

Sample Log-In Check List

Client Name:	**AC**	Work Order Number:	**2108360**
Logged by:	**Clare Griggs**	Date Received:	**8/25/2021 4:41:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Client

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 ☐

Samples were collected the same day and chilled.

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 ºC
Sample	8.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

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

Date: 8/25/21 Page: 1 of: 4

Laboratory Project No (internal): 2108360

Project Name: Swedish Block 95

Project No: 200482

Collected by: AWP-Ashley Pravow

Location:

Report To (PM): Sam Adlington

PM Email: sadlington@aspectconsulting.com

Client: Aspect Consulting

Address: 710 2nd Ave ste 550

City, State, Zip: Seattle, WA 98104

Telephone: 206-788-7557

Fax:

Special Remarks:

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)				Hold	Comments
1 B95-AB-21-2.5	8/25/21	842	S	3																X	
2 B95-AB-21-5.0	8/25/21	0845			X		X		X				X								Arsenic only metals
3 B95-AB-21-7.5		0851																		X	
4 B95-AB-21-10	8/25/21	0855			X		X		X				X								Arsenic only metals
5 B95-AB-21-15		0859																		X	
6 B95-AB21-20	8/25/21	0908			X		X		X				X								
7 B95-AB21-25		0918																		X	
8 B95-AB-20-2.5		0958																		X	
9 B95-AB-20-5		1002			X		X		X				X								Arsenic only metals
10 B95-AB-20-7.5		1008																		X	

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Ashley Pravow	Ashley Pravow	8/25/21 16:39	x Justine Mantz	Justine Mantz	8/25 16:41
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date:
Page: 2 of: 4
Laboratory Project No (internal): 2108360
Project Name:
Special Remarks:
Client:
Project No:
Address:
Collected by:
City, State, Zip:
Location:
Telephone:
Report To (PM):
Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)
Fax:
PM Email:

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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Hold	Comments
1 B95-AB-20-10	8/25/21	1010	S	3	x		x		x				x									Arsenic only metals
2 B95-AB-20-15		1014																			x	
3 B95-AB-20-20		1022			x		x		x				x									Arsenic only metals
4 B95-AB-20-25		1027																			x	
5 B95-AB-22-25		1258																			x	
6 B95-AB-22-5.0		1300			x		x		x				x									Arsenic only metals
7 B95-AB-22-7.5		1304																			x	
8 B95-AB-22-10		1307			x		x		x				x									Arsenic only metals
9 B95-AB-22-15		1315																			x	
10 B95-AB-22-20		1323			x		x		x				x									Arsenic only metals

*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

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

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Ashley Pravar	Ashley Pravar	8/25/21 1039	x Justine Mantz	Justine Mantz	8/25 16:41
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

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

Chain of Custody Record & Laboratory Services Agreement

Date:
Page: 3 of: 4
Laboratory Project No (internal): 21083360
Project Name:
Special Remarks:
Client:
Project No:
Address:
Collected by:
City, State, Zip:
Location:
Telephone:
Report To (PM):
Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)
Fax:
PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)				Hold	Comments
1	B95-AB-22-25	8/25/21	1334	G	3																X	
2	B95-AB-19-2.5		1140																		X	
3	B95-AB-19-5.0		1149			X		X		X				X								Arsenic only metals
4	B95-AB-19-7.5		1152																		X	
5	B95-AB-19-10		1158			X		X		X				X								Arsenic only metals
6	B95-AB-19-15		1208																		X	
7	B95-AB-19-20		1215			X		X		X				X								Arsenic only metals
8	B95-AB-19-25		1222																		X	
9	B95-AB-18-2.5		1431																		X	
10	B95-AB-18-5		1435																		X	

*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

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

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x Ashley Pronovo	Ashley Pronovo	8/25/21 16:39	x Justine Mantz	Justine Mantz	8/25 16:41
Relinquished (Signature) x	Print Name	Date/Time	Received (Signature) x	Print Name	Date/Time

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

Chain of Custody Record & Laboratory Services Agreement

Date:
Page: 4 of: 4
Laboratory Project No (internal): 2108360
Project Name:
Special Remarks:
Client:
Project No:
Address:
Collected by:
City, State, Zip:
Location:
Telephone:
Report To (PM):
Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)
Fax:
PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Hold	Comments
1	B95-AB-18-7.5'	8/25/21	1439	S	3	x		x		x				x								Arsenic only metals
2	B95-AB-18-10	↓	1442	↓	↓																x	~~Arsenic~~
3	B95-AB-18-15'		1447			x		x		x				x								Arsenic only metals
4	B95-AB-18-20		1453																		x	
5	B95-AB-18-25'		1500			x		x		x				x								Arsenic only metals
6																						
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

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

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Ashley Provow	Ashley Provow	8/25/21 16:39	x Justine Martz	Justine Martz	8/25 16:41
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Sam Adlington
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Swedish Block 95
Work Order Number: 2108402

September 07, 2021

Attention Sam Adlington:

Fremont Analytical, Inc. received 54 sample(s) on 8/27/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B
Volatile Organic Compounds by EPA Method 8260D

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

Date: *09/07/2021*

CLIENT: Aspect Consulting
Project: Swedish Block 95
Work Order: 2108402

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108402-001	B95-AB-11-2.5	08/26/2021 11:35 AM	08/27/2021 5:34 PM
2108402-002	B95-AB-11-5'	08/26/2021 11:38 AM	08/27/2021 5:34 PM
2108402-003	B95-AB-11-7.5	08/26/2021 11:43 AM	08/27/2021 5:34 PM
2108402-004	B95-AB-11-10	08/26/2021 12:41 PM	08/27/2021 5:34 PM
2108402-005	B95-AB-11-15'	08/26/2021 12:44 PM	08/27/2021 5:34 PM
2108402-006	B95-AB-11-20	08/26/2021 12:58 PM	08/27/2021 5:34 PM
2108402-007	B95-AB-11-25'	08/26/2021 1:06 PM	08/27/2021 5:34 PM
2108402-008	B95-AB-16-2.5	08/26/2021 9:43 AM	08/27/2021 5:34 PM
2108402-009	B95-AB-16-5	08/26/2021 9:49 AM	08/27/2021 5:34 PM
2108402-010	B95-AB-16-7.5	08/26/2021 9:53 AM	08/27/2021 5:34 PM
2108402-011	B95-AB-16-10	08/26/2021 9:57 AM	08/27/2021 5:34 PM
2108402-012	B95-AB-16-15X	08/26/2021 10:32 AM	08/27/2021 5:34 PM
2108402-013	B95-AB-16-20	08/26/2021 10:36 AM	08/27/2021 5:34 PM
2108402-014	B95-AB-16-25X	08/26/2021 10:44 AM	08/27/2021 5:34 PM
2108402-015	B95-AB-15-2.5	08/26/2021 1:50 PM	08/27/2021 5:34 PM
2108402-016	B95-AB-15-5	08/26/2021 1:55 PM	08/27/2021 5:34 PM
2108402-017	B95-AB-15-7.5X	08/26/2021 1:58 PM	08/27/2021 5:34 PM
2108402-018	B95-AB-15-10	08/26/2021 2:02 PM	08/27/2021 5:34 PM
2108402-019	B95-AB-15-15X	08/26/2021 2:08 PM	08/27/2021 5:34 PM
2108402-020	B95-AB-15-20X	08/26/2021 2:18 PM	08/27/2021 5:34 PM
2108402-021	B95-AB-17-2.5	08/26/2021 8:11 AM	08/27/2021 5:34 PM
2108402-022	B95-AB-17-5	08/26/2021 8:17 AM	08/27/2021 5:34 PM
2108402-023	B95-AB-17-7.5	08/26/2021 8:20 AM	08/27/2021 5:34 PM
2108402-024	B95-AB-17-10	08/26/2021 8:22 AM	08/27/2021 5:34 PM
2108402-025	B95-AB-17-15	08/26/2021 8:28 AM	08/27/2021 5:34 PM
2108402-026	B95-AB-17-20	08/26/2021 8:34 AM	08/27/2021 5:34 PM
2108402-027	B95-AB-17-25	08/26/2021 8:41 AM	08/27/2021 5:34 PM
2108402-028	B95-AB-14-2.5	08/27/2021 7:55 AM	08/27/2021 5:34 PM
2108402-029	B95-AB-14-5X	08/27/2021 7:58 AM	08/27/2021 5:34 PM
2108402-030	B95-AB-14-7.5X	08/27/2021 8:01 AM	08/27/2021 5:34 PM
2108402-031	B95-AB-14-10	08/27/2021 8:13 AM	08/27/2021 5:34 PM
2108402-032	B95-AB-14-15	08/27/2021 8:20 AM	08/27/2021 5:34 PM
2108402-033	B95-AB-14-20	08/27/2021 8:26 AM	08/27/2021 5:34 PM
2108402-034	B95-AB-14-25	08/27/2021 8:31 AM	08/27/2021 5:34 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Swedish Block 95
Work Order: 2108402

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108402-035	B95-AB-14-30	08/27/2021 8:40 AM	08/27/2021 5:34 PM
2108402-036	B95-AB-14-35	08/27/2021 8:50 AM	08/27/2021 5:34 PM
2108402-037	B95-AB-14-40	08/27/2021 9:05 AM	08/27/2021 5:34 PM
2108402-038	B95-AB-14-45	08/27/2021 9:25 AM	08/27/2021 5:34 PM
2108402-039	B95-AB-13-2.5	08/27/2021 10:39 AM	08/27/2021 5:34 PM
2108402-040	B95-AB-13-5	08/27/2021 10:43 AM	08/27/2021 5:34 PM
2108402-041	B95-AB-13-7.5	08/27/2021 10:43 AM	08/27/2021 5:34 PM
2108402-042	B95-AB-13-10	08/27/2021 10:53 AM	08/27/2021 5:34 PM
2108402-043	B95-AB-13-15	08/27/2021 10:57 AM	08/27/2021 5:34 PM
2108402-044	B95-AB-13-20	08/27/2021 11:03 AM	08/27/2021 5:34 PM
2108402-045	B95-AB-13-25	08/27/2021 11:10 AM	08/27/2021 5:34 PM
2108402-046	B95-AB-12-2.5	08/27/2021 12:45 PM	08/27/2021 5:34 PM
2108402-047	B95-AB-12-5	08/27/2021 12:54 PM	08/27/2021 5:34 PM
2108402-048	B95-AB-12-7.5	08/27/2021 12:57 PM	08/27/2021 5:34 PM
2108402-049	B95-AB-12-10	08/27/2021 1:02 PM	08/27/2021 5:34 PM
2108402-050	B95-AB-12-15	08/27/2021 1:10 PM	08/27/2021 5:34 PM
2108402-051	B95-AB-12-20	08/27/2021 1:15 PM	08/27/2021 5:34 PM
2108402-052	B95-AB-12-25	08/27/2021 1:20 PM	08/27/2021 5:34 PM
2108402-053	B95-AB-12-30	08/27/2021 1:30 PM	08/27/2021 5:34 PM
2108402-054	Trip Blank		08/27/2021 5:34 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2108402**

Date: **9/7/2021**

CLIENT: Aspect Consulting
Project: Swedish Block 95

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

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 11:38:00 AM
Project: Swedish Block 95
Lab ID: 2108402-002
Matrix: Soil
Client Sample ID: **B95-AB-11-5'**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33567		Analyst: MM
Diesel (Fuel Oil)	ND	48.8		mg/Kg-dry	1	9/2/2021 5:50:39 PM
Heavy Oil	ND	97.6		mg/Kg-dry	1	9/2/2021 5:50:39 PM
Total Petroleum Hydrocarbons	ND	146		mg/Kg-dry	1	9/2/2021 5:50:39 PM
Surr: 2-Fluorobiphenyl	66.5	50 - 150		%Rec	1	9/2/2021 5:50:39 PM
Surr: o-Terphenyl	79.3	50 - 150		%Rec	1	9/2/2021 5:50:39 PM
Gasoline by NWTPH-Gx				Batch ID: 33562		Analyst: KT
Gasoline	ND	5.16		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Surr: Toluene-d8	95.5	65 - 135		%Rec	1	9/1/2021 5:01:27 PM
Surr: 4-Bromofluorobenzene	116	65 - 135		%Rec	1	9/1/2021 5:01:27 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0516	Q	mg/Kg-dry	1	9/1/2021 5:01:27 PM
Chloromethane	ND	0.0826		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Vinyl chloride	ND	0.0258		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Bromomethane	ND	0.155		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Trichlorofluoromethane (CFC-11)	ND	0.0516		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Chloroethane	ND	0.124		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,1-Dichloroethene	ND	0.103		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Acetone	ND	0.516		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Methylene chloride	ND	0.0155		mg/Kg-dry	1	9/1/2021 5:01:27 PM
trans-1,2-Dichloroethene	ND	0.0310		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Methyl tert-butyl ether (MTBE)	ND	0.0310		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,1-Dichloroethane	ND	0.0258		mg/Kg-dry	1	9/1/2021 5:01:27 PM
cis-1,2-Dichloroethene	ND	0.0258		mg/Kg-dry	1	9/1/2021 5:01:27 PM
(MEK) 2-Butanone	ND	0.465		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Chloroform	ND	0.0258		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,1,1-Trichloroethane (TCA)	ND	0.0258		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,1-Dichloropropene	ND	0.0258		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Carbon tetrachloride	ND	0.0775		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,2-Dichloroethane (EDC)	ND	0.0238		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Benzene	ND	0.0207		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Trichloroethene (TCE)	ND	0.0207		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,2-Dichloropropane	ND	0.0207		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Bromodichloromethane	ND	0.0258		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Dibromomethane	ND	0.0207		mg/Kg-dry	1	9/1/2021 5:01:27 PM
cis-1,3-Dichloropropene	ND	0.0826		mg/Kg-dry	1	9/1/2021 5:01:27 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 11:38:00 AM
Project: Swedish Block 95
Lab ID: 2108402-002
Matrix: Soil
Client Sample ID: **B95-AB-11-5'**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33562 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.0310		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Trans-1,3-Dichloropropylene	ND	0.0516		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0775		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,1,2-Trichloroethane	ND	0.0176		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,3-Dichloropropane	ND	0.0207		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Tetrachloroethene (PCE)	ND	0.0413		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Dibromochloromethane	ND	0.0207		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,2-Dibromoethane (EDB)	ND	0.0103		mg/Kg-dry	1	9/1/2021 5:01:27 PM
2-Hexanone (MBK)	ND	0.0620		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Chlorobenzene	ND	0.0258		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,1,1,2-Tetrachloroethane	ND	0.0207		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Ethylbenzene	ND	0.0258		mg/Kg-dry	1	9/1/2021 5:01:27 PM
m,p-Xylene	ND	0.0516		mg/Kg-dry	1	9/1/2021 5:01:27 PM
o-Xylene	ND	0.0258		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Styrene	ND	0.0258		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Isopropylbenzene	ND	0.0310		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Bromoform	ND	0.0258		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,1,2,2-Tetrachloroethane	ND	0.0155		mg/Kg-dry	1	9/1/2021 5:01:27 PM
n-Propylbenzene	ND	0.0310		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Bromobenzene	ND	0.0310		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,3,5-Trimethylbenzene	ND	0.0258		mg/Kg-dry	1	9/1/2021 5:01:27 PM
2-Chlorotoluene	ND	0.0310		mg/Kg-dry	1	9/1/2021 5:01:27 PM
4-Chlorotoluene	ND	0.0310		mg/Kg-dry	1	9/1/2021 5:01:27 PM
tert-Butylbenzene	ND	0.0310		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,2,3-Trichloropropane	ND	0.0258		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,2,4-Trichlorobenzene	ND	0.0413		mg/Kg-dry	1	9/1/2021 5:01:27 PM
sec-Butylbenzene	ND	0.0310		mg/Kg-dry	1	9/1/2021 5:01:27 PM
4-Isopropyltoluene	ND	0.0310		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,3-Dichlorobenzene	ND	0.0361		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,4-Dichlorobenzene	ND	0.0310		mg/Kg-dry	1	9/1/2021 5:01:27 PM
n-Butylbenzene	ND	0.0413		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,2-Dichlorobenzene	ND	0.0310		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,2-Dibromo-3-chloropropane	ND	0.0620		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,2,4-Trimethylbenzene	ND	0.0258		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Hexachloro-1,3-butadiene	ND	0.0516		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Naphthalene	ND	0.103		mg/Kg-dry	1	9/1/2021 5:01:27 PM
1,2,3-Trichlorobenzene	ND	0.0516		mg/Kg-dry	1	9/1/2021 5:01:27 PM
Surr: Dibromofluoromethane	92.7	75.5 - 119		%Rec	1	9/1/2021 5:01:27 PM
Surr: Toluene-d8	93.5	82.4 - 115		%Rec	1	9/1/2021 5:01:27 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 11:38:00 AM
Project: Swedish Block 95
Lab ID: 2108402-002
Matrix: Soil
Client Sample ID: **B95-AB-11-5'**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	108	78.5 - 118		%Rec	1	9/1/2021 5:01:27 PM
NOTES:						
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.						
Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	6.00	0.102		mg/Kg-dry	1	9/2/2021 1:56:44 PM
Sample Moisture (Percent Moisture)				Batch ID: R69611		Analyst: OK
Percent Moisture	7.50	0.500		wt%	1	8/31/2021 2:49:05 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 12:44:00 PM
Project: Swedish Block 95
Lab ID: 2108402-005
Matrix: Soil
Client Sample ID: **B95-AB-11-15'**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33567		Analyst: MM
Diesel (Fuel Oil)	ND	47.4		mg/Kg-dry	1	9/2/2021 6:03:35 PM
Heavy Oil	ND	94.9		mg/Kg-dry	1	9/2/2021 6:03:35 PM
Total Petroleum Hydrocarbons	ND	142		mg/Kg-dry	1	9/2/2021 6:03:35 PM
Surr: 2-Fluorobiphenyl	70.2	50 - 150		%Rec	1	9/2/2021 6:03:35 PM
Surr: o-Terphenyl	80.1	50 - 150		%Rec	1	9/2/2021 6:03:35 PM
Gasoline by NWTPH-Gx				Batch ID: 33562		Analyst: KT
Gasoline	ND	5.28		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Surr: Toluene-d8	103	65 - 135		%Rec	1	9/1/2021 6:03:26 PM
Surr: 4-Bromofluorobenzene	105	65 - 135		%Rec	1	9/1/2021 6:03:26 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0528	Q	mg/Kg-dry	1	9/1/2021 6:03:26 PM
Chloromethane	ND	0.0845		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Vinyl chloride	ND	0.0264		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Bromomethane	ND	0.158		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Trichlorofluoromethane (CFC-11)	ND	0.0528		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Chloroethane	ND	0.127		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,1-Dichloroethene	ND	0.106		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Acetone	ND	0.528		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Methylene chloride	ND	0.0158		mg/Kg-dry	1	9/1/2021 6:03:26 PM
trans-1,2-Dichloroethene	ND	0.0317		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Methyl tert-butyl ether (MTBE)	ND	0.0317		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,1-Dichloroethane	ND	0.0264		mg/Kg-dry	1	9/1/2021 6:03:26 PM
cis-1,2-Dichloroethene	ND	0.0264		mg/Kg-dry	1	9/1/2021 6:03:26 PM
(MEK) 2-Butanone	ND	0.475		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Chloroform	ND	0.0264		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,1,1-Trichloroethane (TCA)	ND	0.0264		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,1-Dichloropropene	ND	0.0264		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Carbon tetrachloride	ND	0.0792		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,2-Dichloroethane (EDC)	ND	0.0243		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Benzene	ND	0.0211		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Trichloroethene (TCE)	ND	0.0211		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,2-Dichloropropane	ND	0.0211		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Bromodichloromethane	ND	0.0264		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Dibromomethane	ND	0.0211		mg/Kg-dry	1	9/1/2021 6:03:26 PM
cis-1,3-Dichloropropene	ND	0.0845		mg/Kg-dry	1	9/1/2021 6:03:26 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 12:44:00 PM
Project: Swedish Block 95
Lab ID: 2108402-005
Matrix: Soil
Client Sample ID: **B95-AB-11-15'**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33562 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.0317		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Trans-1,3-Dichloropropylene	ND	0.0528		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0792		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,1,2-Trichloroethane	ND	0.0180		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,3-Dichloropropane	ND	0.0211		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Tetrachloroethene (PCE)	ND	0.0422		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Dibromochloromethane	ND	0.0211		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,2-Dibromoethane (EDB)	ND	0.0106		mg/Kg-dry	1	9/1/2021 6:03:26 PM
2-Hexanone (MBK)	ND	0.0634		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Chlorobenzene	ND	0.0264		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,1,1,2-Tetrachloroethane	ND	0.0211		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Ethylbenzene	ND	0.0264		mg/Kg-dry	1	9/1/2021 6:03:26 PM
m,p-Xylene	ND	0.0528		mg/Kg-dry	1	9/1/2021 6:03:26 PM
o-Xylene	ND	0.0264		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Styrene	ND	0.0264		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Isopropylbenzene	ND	0.0317		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Bromoform	ND	0.0264		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,1,2,2-Tetrachloroethane	ND	0.0158		mg/Kg-dry	1	9/1/2021 6:03:26 PM
n-Propylbenzene	ND	0.0317		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Bromobenzene	ND	0.0317		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,3,5-Trimethylbenzene	ND	0.0264		mg/Kg-dry	1	9/1/2021 6:03:26 PM
2-Chlorotoluene	ND	0.0317		mg/Kg-dry	1	9/1/2021 6:03:26 PM
4-Chlorotoluene	ND	0.0317		mg/Kg-dry	1	9/1/2021 6:03:26 PM
tert-Butylbenzene	ND	0.0317		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,2,3-Trichloropropane	ND	0.0264		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,2,4-Trichlorobenzene	ND	0.0422		mg/Kg-dry	1	9/1/2021 6:03:26 PM
sec-Butylbenzene	ND	0.0317		mg/Kg-dry	1	9/1/2021 6:03:26 PM
4-Isopropyltoluene	ND	0.0317		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,3-Dichlorobenzene	ND	0.0370		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,4-Dichlorobenzene	ND	0.0317		mg/Kg-dry	1	9/1/2021 6:03:26 PM
n-Butylbenzene	ND	0.0422		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,2-Dichlorobenzene	ND	0.0317		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,2-Dibromo-3-chloropropane	ND	0.0634		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,2,4-Trimethylbenzene	ND	0.0264		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Hexachloro-1,3-butadiene	ND	0.0528		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Naphthalene	ND	0.106		mg/Kg-dry	1	9/1/2021 6:03:26 PM
1,2,3-Trichlorobenzene	ND	0.0528		mg/Kg-dry	1	9/1/2021 6:03:26 PM
Surr: Dibromofluoromethane	96.1	75.5 - 119		%Rec	1	9/1/2021 6:03:26 PM
Surr: Toluene-d8	105	82.4 - 115		%Rec	1	9/1/2021 6:03:26 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 12:44:00 PM
Project: Swedish Block 95
Lab ID: 2108402-005
Matrix: Soil
Client Sample ID: **B95-AB-11-15'**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	98.3	78.5 - 118		%Rec	1	9/1/2021 6:03:26 PM
Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	3.23	0.0999		mg/Kg-dry	1	9/2/2021 2:02:17 PM
Sample Moisture (Percent Moisture)				Batch ID: R69611		Analyst: OK
Percent Moisture	6.91	0.500		wt%	1	8/31/2021 2:49:05 PM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 1:06:00 PM
Project: Swedish Block 95
Lab ID: 2108402-007
Matrix: Soil
Client Sample ID: **B95-AB-11-25'**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33567		Analyst: MM
Diesel (Fuel Oil)	ND	49.1		mg/Kg-dry	1	9/2/2021 6:16:24 PM
Heavy Oil	ND	98.3		mg/Kg-dry	1	9/2/2021 6:16:24 PM
Total Petroleum Hydrocarbons	ND	147		mg/Kg-dry	1	9/2/2021 6:16:24 PM
Surr: 2-Fluorobiphenyl	69.3	50 - 150		%Rec	1	9/2/2021 6:16:24 PM
Surr: o-Terphenyl	82.3	50 - 150		%Rec	1	9/2/2021 6:16:24 PM
Gasoline by NWTPH-Gx				Batch ID: 33562		Analyst: KT
Gasoline	ND	5.79		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Surr: Toluene-d8	96.7	65 - 135		%Rec	1	9/1/2021 6:34:17 PM
Surr: 4-Bromofluorobenzene	94.4	65 - 135		%Rec	1	9/1/2021 6:34:17 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0579	Q	mg/Kg-dry	1	9/1/2021 6:34:17 PM
Chloromethane	ND	0.0926		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Vinyl chloride	ND	0.0289		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Bromomethane	ND	0.174		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Trichlorofluoromethane (CFC-11)	ND	0.0579		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Chloroethane	ND	0.139		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,1-Dichloroethene	ND	0.116		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Acetone	ND	0.579		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Methylene chloride	ND	0.0174		mg/Kg-dry	1	9/1/2021 6:34:17 PM
trans-1,2-Dichloroethene	ND	0.0347		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Methyl tert-butyl ether (MTBE)	ND	0.0347		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,1-Dichloroethane	ND	0.0289		mg/Kg-dry	1	9/1/2021 6:34:17 PM
cis-1,2-Dichloroethene	ND	0.0289		mg/Kg-dry	1	9/1/2021 6:34:17 PM
(MEK) 2-Butanone	ND	0.521		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Chloroform	ND	0.0289		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,1,1-Trichloroethane (TCA)	ND	0.0289		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,1-Dichloropropene	ND	0.0289		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Carbon tetrachloride	ND	0.0868		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,2-Dichloroethane (EDC)	ND	0.0266		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Benzene	ND	0.0232		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Trichloroethene (TCE)	ND	0.0232		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,2-Dichloropropane	ND	0.0232		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Bromodichloromethane	ND	0.0289		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Dibromomethane	ND	0.0232		mg/Kg-dry	1	9/1/2021 6:34:17 PM
cis-1,3-Dichloropropene	ND	0.0926		mg/Kg-dry	1	9/1/2021 6:34:17 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 1:06:00 PM
Project: Swedish Block 95
Lab ID: 2108402-007
Matrix: Soil
Client Sample ID: **B95-AB-11-25'**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33562 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.0347		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Trans-1,3-Dichloropropylene	ND	0.0579		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0868		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,1,2-Trichloroethane	ND	0.0197		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,3-Dichloropropane	ND	0.0232		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Tetrachloroethene (PCE)	ND	0.0463		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Dibromochloromethane	ND	0.0232		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,2-Dibromoethane (EDB)	ND	0.0116		mg/Kg-dry	1	9/1/2021 6:34:17 PM
2-Hexanone (MBK)	ND	0.0695		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Chlorobenzene	ND	0.0289		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,1,1,2-Tetrachloroethane	ND	0.0232		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Ethylbenzene	ND	0.0289		mg/Kg-dry	1	9/1/2021 6:34:17 PM
m,p-Xylene	ND	0.0579		mg/Kg-dry	1	9/1/2021 6:34:17 PM
o-Xylene	ND	0.0289		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Styrene	ND	0.0289		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Isopropylbenzene	ND	0.0347		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Bromoform	ND	0.0289		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,1,2,2-Tetrachloroethane	ND	0.0174		mg/Kg-dry	1	9/1/2021 6:34:17 PM
n-Propylbenzene	ND	0.0347		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Bromobenzene	ND	0.0347		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,3,5-Trimethylbenzene	ND	0.0289		mg/Kg-dry	1	9/1/2021 6:34:17 PM
2-Chlorotoluene	ND	0.0347		mg/Kg-dry	1	9/1/2021 6:34:17 PM
4-Chlorotoluene	ND	0.0347		mg/Kg-dry	1	9/1/2021 6:34:17 PM
tert-Butylbenzene	ND	0.0347		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,2,3-Trichloropropane	ND	0.0289		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,2,4-Trichlorobenzene	ND	0.0463		mg/Kg-dry	1	9/1/2021 6:34:17 PM
sec-Butylbenzene	ND	0.0347		mg/Kg-dry	1	9/1/2021 6:34:17 PM
4-Isopropyltoluene	ND	0.0347		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,3-Dichlorobenzene	ND	0.0405		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,4-Dichlorobenzene	ND	0.0347		mg/Kg-dry	1	9/1/2021 6:34:17 PM
n-Butylbenzene	ND	0.0463		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,2-Dichlorobenzene	ND	0.0347		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,2-Dibromo-3-chloropropane	ND	0.0695		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,2,4-Trimethylbenzene	ND	0.0289		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Hexachloro-1,3-butadiene	ND	0.0579		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Naphthalene	ND	0.116		mg/Kg-dry	1	9/1/2021 6:34:17 PM
1,2,3-Trichlorobenzene	ND	0.0579		mg/Kg-dry	1	9/1/2021 6:34:17 PM
Surr: Dibromofluoromethane	96.3	75.5 - 119		%Rec	1	9/1/2021 6:34:17 PM
Surr: Toluene-d8	110	82.4 - 115		%Rec	1	9/1/2021 6:34:17 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 1:06:00 PM
Project: Swedish Block 95
Lab ID: 2108402-007
Matrix: Soil
Client Sample ID: **B95-AB-11-25'**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	88.0	78.5 - 118		%Rec	1	9/1/2021 6:34:17 PM
Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	1.83	0.105		mg/Kg-dry	1	9/2/2021 5:04:40 PM
Sample Moisture (Percent Moisture)				Batch ID: R69611		Analyst: OK
Percent Moisture	10.3	0.500		wt%	1	8/31/2021 2:49:05 PM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 9:43:00 AM
Project: Swedish Block 95
Lab ID: 2108402-008
Matrix: Soil
Client Sample ID: **B95-AB-16-2.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33567		Analyst: MM
Diesel (Fuel Oil)	ND	48.7		mg/Kg-dry	1	9/2/2021 6:29:12 PM
Heavy Oil	1,380	97.5		mg/Kg-dry	1	9/2/2021 6:29:12 PM
Total Petroleum Hydrocarbons	1,390	146		mg/Kg-dry	1	9/2/2021 6:29:12 PM
Surr: 2-Fluorobiphenyl	81.9	50 - 150		%Rec	1	9/2/2021 6:29:12 PM
Surr: o-Terphenyl	90.7	50 - 150		%Rec	1	9/2/2021 6:29:12 PM
Gasoline by NWTPH-Gx				Batch ID: 33562		Analyst: KT
Gasoline	ND	7.03		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Gasoline Range Organics (C6-C12)	7.97	7.03		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Surr: Toluene-d8	95.9	65 - 135		%Rec	1	9/1/2021 7:35:50 PM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	9/1/2021 7:35:50 PM

NOTES:
GRO - Indicates the presence of unresolved compounds in the gasoline range.

Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0703	Q	mg/Kg-dry	1	9/1/2021 7:35:50 PM
Chloromethane	ND	0.112		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Vinyl chloride	ND	0.0351		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Bromomethane	ND	0.211		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Trichlorofluoromethane (CFC-11)	ND	0.0703		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Chloroethane	ND	0.169		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,1-Dichloroethene	ND	0.141		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Acetone	ND	0.703		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Methylene chloride	ND	0.0211		mg/Kg-dry	1	9/1/2021 7:35:50 PM
trans-1,2-Dichloroethene	ND	0.0422		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Methyl tert-butyl ether (MTBE)	ND	0.0422		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,1-Dichloroethane	ND	0.0351		mg/Kg-dry	1	9/1/2021 7:35:50 PM
cis-1,2-Dichloroethene	ND	0.0351		mg/Kg-dry	1	9/1/2021 7:35:50 PM
(MEK) 2-Butanone	ND	0.632		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Chloroform	ND	0.0351		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,1,1-Trichloroethane (TCA)	ND	0.0351		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,1-Dichloropropene	ND	0.0351		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Carbon tetrachloride	ND	0.105		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,2-Dichloroethane (EDC)	ND	0.0323		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Benzene	ND	0.0281		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Trichloroethene (TCE)	ND	0.0281		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,2-Dichloropropane	ND	0.0281		mg/Kg-dry	1	9/1/2021 7:35:50 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 9:43:00 AM
Project: Swedish Block 95
Lab ID: 2108402-008
Matrix: Soil
Client Sample ID: **B95-AB-16-2.5**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33562 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Bromodichloromethane	ND	0.0351		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Dibromomethane	ND	0.0281		mg/Kg-dry	1	9/1/2021 7:35:50 PM
cis-1,3-Dichloropropene	ND	0.112		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Toluene	ND	0.0422		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Trans-1,3-Dichloropropylene	ND	0.0703		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.105		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,1,2-Trichloroethane	ND	0.0239		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,3-Dichloropropane	ND	0.0281		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Tetrachloroethene (PCE)	ND	0.0562		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Dibromochloromethane	ND	0.0281		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,2-Dibromoethane (EDB)	ND	0.0141		mg/Kg-dry	1	9/1/2021 7:35:50 PM
2-Hexanone (MBK)	ND	0.0843		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Chlorobenzene	ND	0.0351		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,1,1,2-Tetrachloroethane	ND	0.0281		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Ethylbenzene	ND	0.0351		mg/Kg-dry	1	9/1/2021 7:35:50 PM
m,p-Xylene	ND	0.0703		mg/Kg-dry	1	9/1/2021 7:35:50 PM
o-Xylene	ND	0.0351		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Styrene	ND	0.0351		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Isopropylbenzene	ND	0.0422		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Bromoform	ND	0.0351		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,1,2,2-Tetrachloroethane	ND	0.0211		mg/Kg-dry	1	9/1/2021 7:35:50 PM
n-Propylbenzene	ND	0.0422		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Bromobenzene	ND	0.0422		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,3,5-Trimethylbenzene	ND	0.0351		mg/Kg-dry	1	9/1/2021 7:35:50 PM
2-Chlorotoluene	ND	0.0422		mg/Kg-dry	1	9/1/2021 7:35:50 PM
4-Chlorotoluene	ND	0.0422		mg/Kg-dry	1	9/1/2021 7:35:50 PM
tert-Butylbenzene	ND	0.0422		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,2,3-Trichloropropane	ND	0.0351		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,2,4-Trichlorobenzene	ND	0.0562		mg/Kg-dry	1	9/1/2021 7:35:50 PM
sec-Butylbenzene	ND	0.0422		mg/Kg-dry	1	9/1/2021 7:35:50 PM
4-Isopropyltoluene	ND	0.0422		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,3-Dichlorobenzene	ND	0.0492		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,4-Dichlorobenzene	ND	0.0422		mg/Kg-dry	1	9/1/2021 7:35:50 PM
n-Butylbenzene	ND	0.0562		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,2-Dichlorobenzene	ND	0.0422		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,2-Dibromo-3-chloropropane	ND	0.0843		mg/Kg-dry	1	9/1/2021 7:35:50 PM
1,2,4-Trimethylbenzene	ND	0.0351		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Hexachloro-1,3-butadiene	ND	0.0703		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Naphthalene	ND	0.141		mg/Kg-dry	1	9/1/2021 7:35:50 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 9:43:00 AM
Project: Swedish Block 95
Lab ID: 2108402-008
Matrix: Soil
Client Sample ID: **B95-AB-16-2.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
1,2,3-Trichlorobenzene	ND	0.0703		mg/Kg-dry	1	9/1/2021 7:35:50 PM
Surr: Dibromofluoromethane	92.9	75.5 - 119		%Rec	1	9/1/2021 7:35:50 PM
Surr: Toluene-d8	96.8	82.4 - 115		%Rec	1	9/1/2021 7:35:50 PM
Surr: 1-Bromo-4-fluorobenzene	93.2	78.5 - 118		%Rec	1	9/1/2021 7:35:50 PM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	24.7	0.102		mg/Kg-dry	1	9/2/2021 5:10:13 PM
Sample Moisture (Percent Moisture)				Batch ID: R69611		Analyst: OK
Percent Moisture	8.17	0.500		wt%	1	8/31/2021 2:49:05 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 10:32:00 AM
Project: Swedish Block 95
Lab ID: 2108402-012
Matrix: Soil
Client Sample ID: **B95-AB-16-15X**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33567		Analyst: MM
Diesel (Fuel Oil)	ND	50.8		mg/Kg-dry	1	9/2/2021 8:52:54 AM
Heavy Oil	ND	102		mg/Kg-dry	1	9/2/2021 8:52:54 AM
Total Petroleum Hydrocarbons	ND	152		mg/Kg-dry	1	9/2/2021 8:52:54 AM
Surr: 2-Fluorobiphenyl	73.8	50 - 150		%Rec	1	9/2/2021 8:52:54 AM
Surr: o-Terphenyl	88.1	50 - 150		%Rec	1	9/2/2021 8:52:54 AM
Gasoline by NWTPH-Gx				Batch ID: 33562		Analyst: KT
Gasoline	ND	4.77		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Surr: Toluene-d8	97.9	65 - 135		%Rec	1	9/1/2021 8:06:37 PM
Surr: 4-Bromofluorobenzene	110	65 - 135		%Rec	1	9/1/2021 8:06:37 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0477	Q	mg/Kg-dry	1	9/1/2021 8:06:37 PM
Chloromethane	ND	0.0763		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Vinyl chloride	ND	0.0238		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Bromomethane	ND	0.143		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Trichlorofluoromethane (CFC-11)	ND	0.0477		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Chloroethane	ND	0.114		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,1-Dichloroethene	ND	0.0954		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Acetone	ND	0.477		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Methylene chloride	ND	0.0143		mg/Kg-dry	1	9/1/2021 8:06:37 PM
trans-1,2-Dichloroethene	ND	0.0286		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Methyl tert-butyl ether (MTBE)	ND	0.0286		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,1-Dichloroethane	ND	0.0238		mg/Kg-dry	1	9/1/2021 8:06:37 PM
cis-1,2-Dichloroethene	ND	0.0238		mg/Kg-dry	1	9/1/2021 8:06:37 PM
(MEK) 2-Butanone	ND	0.429		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Chloroform	ND	0.0238		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,1,1-Trichloroethane (TCA)	ND	0.0238		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,1-Dichloropropene	ND	0.0238		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Carbon tetrachloride	ND	0.0715		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,2-Dichloroethane (EDC)	ND	0.0219		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Benzene	ND	0.0191		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Trichloroethene (TCE)	ND	0.0191		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,2-Dichloropropane	ND	0.0191		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Bromodichloromethane	ND	0.0238		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Dibromomethane	ND	0.0191		mg/Kg-dry	1	9/1/2021 8:06:37 PM
cis-1,3-Dichloropropene	ND	0.0763		mg/Kg-dry	1	9/1/2021 8:06:37 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 10:32:00 AM
Project: Swedish Block 95
Lab ID: 2108402-012
Matrix: Soil
Client Sample ID: **B95-AB-16-15X**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33562 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.0286		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Trans-1,3-Dichloropropylene	ND	0.0477		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0715		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,1,2-Trichloroethane	ND	0.0162		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,3-Dichloropropane	ND	0.0191		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Tetrachloroethene (PCE)	ND	0.0382		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Dibromochloromethane	ND	0.0191		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,2-Dibromoethane (EDB)	ND	0.00954		mg/Kg-dry	1	9/1/2021 8:06:37 PM
2-Hexanone (MBK)	ND	0.0572		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Chlorobenzene	ND	0.0238		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,1,1,2-Tetrachloroethane	ND	0.0191		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Ethylbenzene	ND	0.0238		mg/Kg-dry	1	9/1/2021 8:06:37 PM
m,p-Xylene	ND	0.0477		mg/Kg-dry	1	9/1/2021 8:06:37 PM
o-Xylene	ND	0.0238		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Styrene	ND	0.0238		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Isopropylbenzene	ND	0.0286		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Bromoform	ND	0.0238		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,1,2,2-Tetrachloroethane	ND	0.0143		mg/Kg-dry	1	9/1/2021 8:06:37 PM
n-Propylbenzene	ND	0.0286		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Bromobenzene	ND	0.0286		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,3,5-Trimethylbenzene	ND	0.0238		mg/Kg-dry	1	9/1/2021 8:06:37 PM
2-Chlorotoluene	ND	0.0286		mg/Kg-dry	1	9/1/2021 8:06:37 PM
4-Chlorotoluene	ND	0.0286		mg/Kg-dry	1	9/1/2021 8:06:37 PM
tert-Butylbenzene	ND	0.0286		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,2,3-Trichloropropane	ND	0.0238		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,2,4-Trichlorobenzene	ND	0.0382		mg/Kg-dry	1	9/1/2021 8:06:37 PM
sec-Butylbenzene	ND	0.0286		mg/Kg-dry	1	9/1/2021 8:06:37 PM
4-Isopropyltoluene	ND	0.0286		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,3-Dichlorobenzene	ND	0.0334		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,4-Dichlorobenzene	ND	0.0286		mg/Kg-dry	1	9/1/2021 8:06:37 PM
n-Butylbenzene	ND	0.0382		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,2-Dichlorobenzene	ND	0.0286		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,2-Dibromo-3-chloropropane	ND	0.0572		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,2,4-Trimethylbenzene	ND	0.0238		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Hexachloro-1,3-butadiene	ND	0.0477		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Naphthalene	ND	0.0954		mg/Kg-dry	1	9/1/2021 8:06:37 PM
1,2,3-Trichlorobenzene	ND	0.0477		mg/Kg-dry	1	9/1/2021 8:06:37 PM
Surr: Dibromofluoromethane	94.6	75.5 - 119		%Rec	1	9/1/2021 8:06:37 PM
Surr: Toluene-d8	97.7	82.4 - 115		%Rec	1	9/1/2021 8:06:37 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 10:32:00 AM
Project: Swedish Block 95
Lab ID: 2108402-012
Matrix: Soil
Client Sample ID: **B95-AB-16-15X**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	103	78.5 - 118		%Rec	1	9/1/2021 8:06:37 PM
NOTES:						
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.						
Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	2.11	0.106		mg/Kg-dry	1	9/2/2021 5:15:47 PM
Sample Moisture (Percent Moisture)				Batch ID: R69611		Analyst: OK
Percent Moisture	8.39	0.500		wt%	1	8/31/2021 2:49:05 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 10:44:00 AM
Project: Swedish Block 95
Lab ID: 2108402-014
Matrix: Soil
Client Sample ID: **B95-AB-16-25X**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33567		Analyst: MM
Diesel (Fuel Oil)	ND	48.9		mg/Kg-dry	1	9/2/2021 9:07:29 AM
Heavy Oil	ND	97.8		mg/Kg-dry	1	9/2/2021 9:07:29 AM
Total Petroleum Hydrocarbons	ND	147		mg/Kg-dry	1	9/2/2021 9:07:29 AM
Surr: 2-Fluorobiphenyl	84.6	50 - 150		%Rec	1	9/2/2021 9:07:29 AM
Surr: o-Terphenyl	96.8	50 - 150		%Rec	1	9/2/2021 9:07:29 AM
Gasoline by NWTPH-Gx				Batch ID: 33562		Analyst: KT
Gasoline	ND	4.66		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Surr: Toluene-d8	90.1	65 - 135		%Rec	1	9/1/2021 8:37:24 PM
Surr: 4-Bromofluorobenzene	103	65 - 135		%Rec	1	9/1/2021 8:37:24 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0466	Q	mg/Kg-dry	1	9/1/2021 8:37:24 PM
Chloromethane	ND	0.0745		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Vinyl chloride	ND	0.0233		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Bromomethane	ND	0.140		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Trichlorofluoromethane (CFC-11)	ND	0.0466		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Chloroethane	ND	0.112		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,1-Dichloroethene	ND	0.0932		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Acetone	ND	0.466		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Methylene chloride	ND	0.0140		mg/Kg-dry	1	9/1/2021 8:37:24 PM
trans-1,2-Dichloroethene	ND	0.0279		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Methyl tert-butyl ether (MTBE)	ND	0.0279		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,1-Dichloroethane	ND	0.0233		mg/Kg-dry	1	9/1/2021 8:37:24 PM
cis-1,2-Dichloroethene	ND	0.0233		mg/Kg-dry	1	9/1/2021 8:37:24 PM
(MEK) 2-Butanone	ND	0.419		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Chloroform	ND	0.0233		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,1,1-Trichloroethane (TCA)	ND	0.0233		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,1-Dichloropropene	ND	0.0233		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Carbon tetrachloride	ND	0.0699		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,2-Dichloroethane (EDC)	ND	0.0214		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Benzene	ND	0.0186		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Trichloroethene (TCE)	ND	0.0186		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,2-Dichloropropane	ND	0.0186		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Bromodichloromethane	ND	0.0233		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Dibromomethane	ND	0.0186		mg/Kg-dry	1	9/1/2021 8:37:24 PM
cis-1,3-Dichloropropene	ND	0.0745		mg/Kg-dry	1	9/1/2021 8:37:24 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 10:44:00 AM
Project: Swedish Block 95
Lab ID: 2108402-014
Matrix: Soil
Client Sample ID: **B95-AB-16-25X**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33562 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.0279		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Trans-1,3-Dichloropropylene	ND	0.0466		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0699		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,1,2-Trichloroethane	ND	0.0158		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,3-Dichloropropane	ND	0.0186		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Tetrachloroethene (PCE)	ND	0.0373		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Dibromochloromethane	ND	0.0186		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,2-Dibromoethane (EDB)	ND	0.00932		mg/Kg-dry	1	9/1/2021 8:37:24 PM
2-Hexanone (MBK)	ND	0.0559		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Chlorobenzene	ND	0.0233		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,1,1,2-Tetrachloroethane	ND	0.0186		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Ethylbenzene	ND	0.0233		mg/Kg-dry	1	9/1/2021 8:37:24 PM
m,p-Xylene	ND	0.0466		mg/Kg-dry	1	9/1/2021 8:37:24 PM
o-Xylene	ND	0.0233		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Styrene	ND	0.0233		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Isopropylbenzene	ND	0.0279		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Bromoform	ND	0.0233		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,1,2,2-Tetrachloroethane	ND	0.0140		mg/Kg-dry	1	9/1/2021 8:37:24 PM
n-Propylbenzene	ND	0.0279		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Bromobenzene	ND	0.0279		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,3,5-Trimethylbenzene	ND	0.0233		mg/Kg-dry	1	9/1/2021 8:37:24 PM
2-Chlorotoluene	ND	0.0279		mg/Kg-dry	1	9/1/2021 8:37:24 PM
4-Chlorotoluene	ND	0.0279		mg/Kg-dry	1	9/1/2021 8:37:24 PM
tert-Butylbenzene	ND	0.0279		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,2,3-Trichloropropane	ND	0.0233		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,2,4-Trichlorobenzene	ND	0.0373		mg/Kg-dry	1	9/1/2021 8:37:24 PM
sec-Butylbenzene	ND	0.0279		mg/Kg-dry	1	9/1/2021 8:37:24 PM
4-Isopropyltoluene	ND	0.0279		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,3-Dichlorobenzene	ND	0.0326		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,4-Dichlorobenzene	ND	0.0279		mg/Kg-dry	1	9/1/2021 8:37:24 PM
n-Butylbenzene	ND	0.0373		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,2-Dichlorobenzene	ND	0.0279		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,2-Dibromo-3-chloropropane	ND	0.0559		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,2,4-Trimethylbenzene	ND	0.0233		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Hexachloro-1,3-butadiene	ND	0.0466		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Naphthalene	ND	0.0932		mg/Kg-dry	1	9/1/2021 8:37:24 PM
1,2,3-Trichlorobenzene	ND	0.0466		mg/Kg-dry	1	9/1/2021 8:37:24 PM
Surr: Dibromofluoromethane	91.9	75.5 - 119		%Rec	1	9/1/2021 8:37:24 PM
Surr: Toluene-d8	100	82.4 - 115		%Rec	1	9/1/2021 8:37:24 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 10:44:00 AM
Project: Swedish Block 95
Lab ID: 2108402-014
Matrix: Soil
Client Sample ID: **B95-AB-16-25X**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	96.1	78.5 - 118		%Rec	1	9/1/2021 8:37:24 PM
NOTES:						
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.						
Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	2.47	0.104		mg/Kg-dry	1	9/2/2021 1:28:54 PM
Sample Moisture (Percent Moisture)				Batch ID: R69611		Analyst: OK
Percent Moisture	6.97	0.500		wt%	1	8/31/2021 2:49:05 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 1:58:00 PM
Project: Swedish Block 95
Lab ID: 2108402-017
Matrix: Soil
Client Sample ID: **B95-AB-15-7.5X**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33567		Analyst: MM
Diesel (Fuel Oil)	ND	51.1		mg/Kg-dry	1	9/2/2021 9:58:25 AM
Heavy Oil	ND	102		mg/Kg-dry	1	9/2/2021 9:58:25 AM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	9/2/2021 9:58:25 AM
Surr: 2-Fluorobiphenyl	79.8	50 - 150		%Rec	1	9/2/2021 9:58:25 AM
Surr: o-Terphenyl	90.8	50 - 150		%Rec	1	9/2/2021 9:58:25 AM
Gasoline by NWTPH-Gx				Batch ID: 33562		Analyst: KT
Gasoline	ND	6.23		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Surr: Toluene-d8	95.5	65 - 135		%Rec	1	9/2/2021 1:15:05 AM
Surr: 4-Bromofluorobenzene	96.9	65 - 135		%Rec	1	9/2/2021 1:15:05 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0623	Q	mg/Kg-dry	1	9/2/2021 1:15:05 AM
Chloromethane	ND	0.0996	Q	mg/Kg-dry	1	9/2/2021 1:15:05 AM
Vinyl chloride	ND	0.0311		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Bromomethane	ND	0.187		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Trichlorofluoromethane (CFC-11)	ND	0.0623		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Chloroethane	ND	0.149		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,1-Dichloroethene	ND	0.125		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Acetone	ND	0.623		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Methylene chloride	ND	0.0187		mg/Kg-dry	1	9/2/2021 1:15:05 AM
trans-1,2-Dichloroethene	ND	0.0374		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Methyl tert-butyl ether (MTBE)	ND	0.0374		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,1-Dichloroethane	ND	0.0311		mg/Kg-dry	1	9/2/2021 1:15:05 AM
cis-1,2-Dichloroethene	ND	0.0311		mg/Kg-dry	1	9/2/2021 1:15:05 AM
(MEK) 2-Butanone	ND	0.560		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Chloroform	ND	0.0311		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,1,1-Trichloroethane (TCA)	ND	0.0311		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,1-Dichloropropene	ND	0.0311		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Carbon tetrachloride	ND	0.0934		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,2-Dichloroethane (EDC)	ND	0.0286		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Benzene	ND	0.0249		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Trichloroethene (TCE)	ND	0.0249		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,2-Dichloropropane	ND	0.0249		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Bromodichloromethane	ND	0.0311		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Dibromomethane	ND	0.0249		mg/Kg-dry	1	9/2/2021 1:15:05 AM
cis-1,3-Dichloropropene	ND	0.0996		mg/Kg-dry	1	9/2/2021 1:15:05 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 1:58:00 PM
Project: Swedish Block 95
Lab ID: 2108402-017
Matrix: Soil
Client Sample ID: **B95-AB-15-7.5X**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33562 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.0374		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Trans-1,3-Dichloropropylene	ND	0.0623		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0934		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,1,2-Trichloroethane	ND	0.0212		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,3-Dichloropropane	ND	0.0249		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Tetrachloroethene (PCE)	ND	0.0498		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Dibromochloromethane	ND	0.0249		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,2-Dibromoethane (EDB)	ND	0.0125		mg/Kg-dry	1	9/2/2021 1:15:05 AM
2-Hexanone (MBK)	ND	0.0747		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Chlorobenzene	ND	0.0311		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,1,1,2-Tetrachloroethane	ND	0.0249		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Ethylbenzene	ND	0.0311		mg/Kg-dry	1	9/2/2021 1:15:05 AM
m,p-Xylene	ND	0.0623		mg/Kg-dry	1	9/2/2021 1:15:05 AM
o-Xylene	ND	0.0311		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Styrene	ND	0.0311		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Isopropylbenzene	ND	0.0374		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Bromoform	ND	0.0311		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,1,2,2-Tetrachloroethane	ND	0.0187		mg/Kg-dry	1	9/2/2021 1:15:05 AM
n-Propylbenzene	ND	0.0374		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Bromobenzene	ND	0.0374		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,3,5-Trimethylbenzene	ND	0.0311		mg/Kg-dry	1	9/2/2021 1:15:05 AM
2-Chlorotoluene	ND	0.0374		mg/Kg-dry	1	9/2/2021 1:15:05 AM
4-Chlorotoluene	ND	0.0374		mg/Kg-dry	1	9/2/2021 1:15:05 AM
tert-Butylbenzene	ND	0.0374		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,2,3-Trichloropropane	ND	0.0311		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,2,4-Trichlorobenzene	ND	0.0498		mg/Kg-dry	1	9/2/2021 1:15:05 AM
sec-Butylbenzene	ND	0.0374		mg/Kg-dry	1	9/2/2021 1:15:05 AM
4-Isopropyltoluene	ND	0.0374		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,3-Dichlorobenzene	ND	0.0436		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,4-Dichlorobenzene	ND	0.0374		mg/Kg-dry	1	9/2/2021 1:15:05 AM
n-Butylbenzene	ND	0.0498		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,2-Dichlorobenzene	ND	0.0374		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,2-Dibromo-3-chloropropane	ND	0.0747		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,2,4-Trimethylbenzene	ND	0.0311		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Hexachloro-1,3-butadiene	ND	0.0623		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Naphthalene	ND	0.125		mg/Kg-dry	1	9/2/2021 1:15:05 AM
1,2,3-Trichlorobenzene	ND	0.0623		mg/Kg-dry	1	9/2/2021 1:15:05 AM
Surr: Dibromofluoromethane	86.1	75.5 - 119		%Rec	1	9/2/2021 1:15:05 AM
Surr: Toluene-d8	99.0	82.4 - 115		%Rec	1	9/2/2021 1:15:05 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 1:58:00 PM
Project: Swedish Block 95
Lab ID: 2108402-017
Matrix: Soil
Client Sample ID: **B95-AB-15-7.5X**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	90.3	78.5 - 118		%Rec	1	9/2/2021 1:15:05 AM
NOTES:						
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.						
Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	3.59	0.101		mg/Kg-dry	1	9/2/2021 5:21:20 PM
Sample Moisture (Percent Moisture)				Batch ID: R69611		Analyst: OK
Percent Moisture	7.16	0.500		wt%	1	8/31/2021 2:49:05 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 2:08:00 PM
Project: Swedish Block 95
Lab ID: 2108402-019
Matrix: Soil
Client Sample ID: **B95-AB-15-15X**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33567		Analyst: MM
Diesel (Fuel Oil)	ND	53.4		mg/Kg-dry	1	9/2/2021 10:11:08 AM
Heavy Oil	ND	107		mg/Kg-dry	1	9/2/2021 10:11:08 AM
Total Petroleum Hydrocarbons	ND	160		mg/Kg-dry	1	9/2/2021 10:11:08 AM
Surr: 2-Fluorobiphenyl	76.9	50 - 150		%Rec	1	9/2/2021 10:11:08 AM
Surr: o-Terphenyl	88.2	50 - 150		%Rec	1	9/2/2021 10:11:08 AM
Gasoline by NWTPH-Gx				Batch ID: 33562		Analyst: KT
Gasoline	ND	4.87		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Surr: Toluene-d8	96.4	65 - 135		%Rec	1	9/2/2021 1:45:51 AM
Surr: 4-Bromofluorobenzene	99.4	65 - 135		%Rec	1	9/2/2021 1:45:51 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0487	Q	mg/Kg-dry	1	9/2/2021 1:45:51 AM
Chloromethane	ND	0.0780	Q	mg/Kg-dry	1	9/2/2021 1:45:51 AM
Vinyl chloride	ND	0.0244		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Bromomethane	ND	0.146		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Trichlorofluoromethane (CFC-11)	ND	0.0487		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Chloroethane	ND	0.117		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,1-Dichloroethene	ND	0.0975		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Acetone	ND	0.487		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Methylene chloride	ND	0.0146		mg/Kg-dry	1	9/2/2021 1:45:51 AM
trans-1,2-Dichloroethene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Methyl tert-butyl ether (MTBE)	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,1-Dichloroethane	ND	0.0244		mg/Kg-dry	1	9/2/2021 1:45:51 AM
cis-1,2-Dichloroethene	ND	0.0244		mg/Kg-dry	1	9/2/2021 1:45:51 AM
(MEK) 2-Butanone	ND	0.439		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Chloroform	ND	0.0244		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,1,1-Trichloroethane (TCA)	ND	0.0244		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,1-Dichloropropene	ND	0.0244		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Carbon tetrachloride	ND	0.0731		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,2-Dichloroethane (EDC)	ND	0.0224		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Benzene	ND	0.0195		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Trichloroethene (TCE)	ND	0.0195		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,2-Dichloropropane	ND	0.0195		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Bromodichloromethane	ND	0.0244		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Dibromomethane	ND	0.0195		mg/Kg-dry	1	9/2/2021 1:45:51 AM
cis-1,3-Dichloropropene	ND	0.0780		mg/Kg-dry	1	9/2/2021 1:45:51 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 2:08:00 PM
Project: Swedish Block 95
Lab ID: 2108402-019
Matrix: Soil
Client Sample ID: **B95-AB-15-15X**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33562 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Trans-1,3-Dichloropropylene	ND	0.0487		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0731		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,1,2-Trichloroethane	ND	0.0166		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,3-Dichloropropane	ND	0.0195		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Tetrachloroethene (PCE)	ND	0.0390		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Dibromochloromethane	ND	0.0195		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,2-Dibromoethane (EDB)	ND	0.00975		mg/Kg-dry	1	9/2/2021 1:45:51 AM
2-Hexanone (MBK)	ND	0.0585		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Chlorobenzene	ND	0.0244		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,1,1,2-Tetrachloroethane	ND	0.0195		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Ethylbenzene	ND	0.0244		mg/Kg-dry	1	9/2/2021 1:45:51 AM
m,p-Xylene	ND	0.0487		mg/Kg-dry	1	9/2/2021 1:45:51 AM
o-Xylene	ND	0.0244		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Styrene	ND	0.0244		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Isopropylbenzene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Bromoform	ND	0.0244		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,1,2,2-Tetrachloroethane	ND	0.0146		mg/Kg-dry	1	9/2/2021 1:45:51 AM
n-Propylbenzene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Bromobenzene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,3,5-Trimethylbenzene	ND	0.0244		mg/Kg-dry	1	9/2/2021 1:45:51 AM
2-Chlorotoluene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:45:51 AM
4-Chlorotoluene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:45:51 AM
tert-Butylbenzene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,2,3-Trichloropropane	ND	0.0244		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,2,4-Trichlorobenzene	ND	0.0390		mg/Kg-dry	1	9/2/2021 1:45:51 AM
sec-Butylbenzene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:45:51 AM
4-Isopropyltoluene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,3-Dichlorobenzene	ND	0.0341		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,4-Dichlorobenzene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:45:51 AM
n-Butylbenzene	ND	0.0390		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,2-Dichlorobenzene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,2-Dibromo-3-chloropropane	ND	0.0585		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,2,4-Trimethylbenzene	ND	0.0244		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Hexachloro-1,3-butadiene	ND	0.0487		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Naphthalene	ND	0.0975		mg/Kg-dry	1	9/2/2021 1:45:51 AM
1,2,3-Trichlorobenzene	ND	0.0487		mg/Kg-dry	1	9/2/2021 1:45:51 AM
Surr: Dibromofluoromethane	91.9	75.5 - 119		%Rec	1	9/2/2021 1:45:51 AM
Surr: Toluene-d8	105	82.4 - 115		%Rec	1	9/2/2021 1:45:51 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 2:08:00 PM
Project: Swedish Block 95
Lab ID: 2108402-019
Matrix: Soil
Client Sample ID: **B95-AB-15-15X**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	92.7	78.5 - 118		%Rec	1	9/2/2021 1:45:51 AM
Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	4.02	0.0999		mg/Kg-dry	1	9/2/2021 5:26:54 PM
Sample Moisture (Percent Moisture)				Batch ID: R69644		Analyst: ALB
Percent Moisture	8.30	0.500		wt%	1	9/1/2021 11:38:47 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 2:18:00 PM
Project: Swedish Block 95
Lab ID: 2108402-020
Matrix: Soil
Client Sample ID: **B95-AB-15-20X**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33567		Analyst: MM
Diesel (Fuel Oil)	ND	56.1		mg/Kg-dry	1	9/2/2021 11:37:48 AM
Heavy Oil	ND	112		mg/Kg-dry	1	9/2/2021 11:37:48 AM
Total Petroleum Hydrocarbons	ND	168		mg/Kg-dry	1	9/2/2021 11:37:48 AM
Surr: 2-Fluorobiphenyl	87.4	50 - 150		%Rec	1	9/2/2021 11:37:48 AM
Surr: o-Terphenyl	96.5	50 - 150		%Rec	1	9/2/2021 11:37:48 AM
Gasoline by NWTPH-Gx				Batch ID: 33562		Analyst: KT
Gasoline	ND	5.95		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Surr: Toluene-d8	98.7	65 - 135		%Rec	1	9/2/2021 2:16:43 AM
Surr: 4-Bromofluorobenzene	106	65 - 135		%Rec	1	9/2/2021 2:16:43 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0595	Q	mg/Kg-dry	1	9/2/2021 2:16:43 AM
Chloromethane	ND	0.0952	Q	mg/Kg-dry	1	9/2/2021 2:16:43 AM
Vinyl chloride	ND	0.0298		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Bromomethane	ND	0.179		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Trichlorofluoromethane (CFC-11)	ND	0.0595		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Chloroethane	ND	0.143		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,1-Dichloroethene	ND	0.119		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Acetone	ND	0.595		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Methylene chloride	ND	0.0179		mg/Kg-dry	1	9/2/2021 2:16:43 AM
trans-1,2-Dichloroethene	ND	0.0357		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Methyl tert-butyl ether (MTBE)	ND	0.0357		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,1-Dichloroethane	ND	0.0298		mg/Kg-dry	1	9/2/2021 2:16:43 AM
cis-1,2-Dichloroethene	ND	0.0298		mg/Kg-dry	1	9/2/2021 2:16:43 AM
(MEK) 2-Butanone	ND	0.536		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Chloroform	ND	0.0298		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,1,1-Trichloroethane (TCA)	ND	0.0298		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,1-Dichloropropene	ND	0.0298		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Carbon tetrachloride	ND	0.0893		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,2-Dichloroethane (EDC)	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Benzene	ND	0.0238		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Trichloroethene (TCE)	ND	0.0238		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,2-Dichloropropane	ND	0.0238		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Bromodichloromethane	ND	0.0298		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Dibromomethane	ND	0.0238		mg/Kg-dry	1	9/2/2021 2:16:43 AM
cis-1,3-Dichloropropene	ND	0.0952		mg/Kg-dry	1	9/2/2021 2:16:43 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 2:18:00 PM
Project: Swedish Block 95
Lab ID: 2108402-020
Matrix: Soil
Client Sample ID: **B95-AB-15-20X**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33562 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.0357		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Trans-1,3-Dichloropropylene	ND	0.0595		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0893		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,1,2-Trichloroethane	ND	0.0202		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,3-Dichloropropane	ND	0.0238		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Tetrachloroethene (PCE)	ND	0.0476		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Dibromochloromethane	ND	0.0238		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,2-Dibromoethane (EDB)	ND	0.0119		mg/Kg-dry	1	9/2/2021 2:16:43 AM
2-Hexanone (MBK)	ND	0.0714		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Chlorobenzene	ND	0.0298		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,1,1,2-Tetrachloroethane	ND	0.0238		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Ethylbenzene	ND	0.0298		mg/Kg-dry	1	9/2/2021 2:16:43 AM
m,p-Xylene	ND	0.0595		mg/Kg-dry	1	9/2/2021 2:16:43 AM
o-Xylene	ND	0.0298		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Styrene	ND	0.0298		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Isopropylbenzene	ND	0.0357		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Bromoform	ND	0.0298		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,1,2,2-Tetrachloroethane	ND	0.0179		mg/Kg-dry	1	9/2/2021 2:16:43 AM
n-Propylbenzene	ND	0.0357		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Bromobenzene	ND	0.0357		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,3,5-Trimethylbenzene	ND	0.0298		mg/Kg-dry	1	9/2/2021 2:16:43 AM
2-Chlorotoluene	ND	0.0357		mg/Kg-dry	1	9/2/2021 2:16:43 AM
4-Chlorotoluene	ND	0.0357		mg/Kg-dry	1	9/2/2021 2:16:43 AM
tert-Butylbenzene	ND	0.0357		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,2,3-Trichloropropane	ND	0.0298		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,2,4-Trichlorobenzene	ND	0.0476		mg/Kg-dry	1	9/2/2021 2:16:43 AM
sec-Butylbenzene	ND	0.0357		mg/Kg-dry	1	9/2/2021 2:16:43 AM
4-Isopropyltoluene	ND	0.0357		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,3-Dichlorobenzene	ND	0.0417		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,4-Dichlorobenzene	ND	0.0357		mg/Kg-dry	1	9/2/2021 2:16:43 AM
n-Butylbenzene	ND	0.0476		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,2-Dichlorobenzene	ND	0.0357		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,2-Dibromo-3-chloropropane	ND	0.0714		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,2,4-Trimethylbenzene	ND	0.0298		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Hexachloro-1,3-butadiene	ND	0.0595		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Naphthalene	ND	0.119		mg/Kg-dry	1	9/2/2021 2:16:43 AM
1,2,3-Trichlorobenzene	ND	0.0595		mg/Kg-dry	1	9/2/2021 2:16:43 AM
Surr: Dibromofluoromethane	93.6	75.5 - 119		%Rec	1	9/2/2021 2:16:43 AM
Surr: Toluene-d8	93.6	82.4 - 115		%Rec	1	9/2/2021 2:16:43 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/26/2021 2:18:00 PM
Project: Swedish Block 95
Lab ID: 2108402-020
Matrix: Soil
Client Sample ID: **B95-AB-15-20X**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	98.9	78.5 - 118		%Rec	1	9/2/2021 2:16:43 AM
NOTES:						
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.						
Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	2.35	0.103		mg/Kg-dry	1	9/2/2021 5:32:27 PM
Sample Moisture (Percent Moisture)				Batch ID: R69644		Analyst: ALB
Percent Moisture	11.7	0.500		wt%	1	9/1/2021 11:38:47 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 8:01:00 AM
Project: Swedish Block 95
Lab ID: 2108402-030
Matrix: Soil
Client Sample ID: **B95-AB-14-7.5X**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33567		Analyst: MM
Diesel (Fuel Oil)	ND	59.6		mg/Kg-dry	1	9/2/2021 11:53:18 AM
Heavy Oil	ND	119		mg/Kg-dry	1	9/2/2021 11:53:18 AM
Total Petroleum Hydrocarbons	ND	179		mg/Kg-dry	1	9/2/2021 11:53:18 AM
Surr: 2-Fluorobiphenyl	79.9	50 - 150		%Rec	1	9/2/2021 11:53:18 AM
Surr: o-Terphenyl	93.6	50 - 150		%Rec	1	9/2/2021 11:53:18 AM
Gasoline by NWTPH-Gx				Batch ID: 33562		Analyst: KT
Gasoline	ND	6.70		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Surr: Toluene-d8	93.2	65 - 135		%Rec	1	9/2/2021 2:47:35 AM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	9/2/2021 2:47:35 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0670	Q	mg/Kg-dry	1	9/2/2021 2:47:35 AM
Chloromethane	ND	0.107	Q	mg/Kg-dry	1	9/2/2021 2:47:35 AM
Vinyl chloride	ND	0.0335		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Bromomethane	ND	0.201		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Trichlorofluoromethane (CFC-11)	ND	0.0670		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Chloroethane	ND	0.161		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,1-Dichloroethene	ND	0.134		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Acetone	ND	0.670		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Methylene chloride	ND	0.0201		mg/Kg-dry	1	9/2/2021 2:47:35 AM
trans-1,2-Dichloroethene	ND	0.0402		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Methyl tert-butyl ether (MTBE)	ND	0.0402		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,1-Dichloroethane	ND	0.0335		mg/Kg-dry	1	9/2/2021 2:47:35 AM
cis-1,2-Dichloroethene	ND	0.0335		mg/Kg-dry	1	9/2/2021 2:47:35 AM
(MEK) 2-Butanone	ND	0.603		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Chloroform	ND	0.0335		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,1,1-Trichloroethane (TCA)	ND	0.0335		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,1-Dichloropropene	ND	0.0335		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Carbon tetrachloride	ND	0.101		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,2-Dichloroethane (EDC)	ND	0.0308		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Benzene	ND	0.0268		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Trichloroethene (TCE)	ND	0.0268		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,2-Dichloropropane	ND	0.0268		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Bromodichloromethane	ND	0.0335		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Dibromomethane	ND	0.0268		mg/Kg-dry	1	9/2/2021 2:47:35 AM
cis-1,3-Dichloropropene	ND	0.107		mg/Kg-dry	1	9/2/2021 2:47:35 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 8:01:00 AM
Project: Swedish Block 95
Lab ID: 2108402-030
Matrix: Soil
Client Sample ID: **B95-AB-14-7.5X**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33562 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.0402		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Trans-1,3-Dichloropropylene	ND	0.0670		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.101		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,1,2-Trichloroethane	ND	0.0228		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,3-Dichloropropane	ND	0.0268		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Tetrachloroethene (PCE)	ND	0.0536		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Dibromochloromethane	ND	0.0268		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,2-Dibromoethane (EDB)	ND	0.0134		mg/Kg-dry	1	9/2/2021 2:47:35 AM
2-Hexanone (MBK)	ND	0.0804		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Chlorobenzene	ND	0.0335		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,1,1,2-Tetrachloroethane	ND	0.0268		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Ethylbenzene	ND	0.0335		mg/Kg-dry	1	9/2/2021 2:47:35 AM
m,p-Xylene	ND	0.0670		mg/Kg-dry	1	9/2/2021 2:47:35 AM
o-Xylene	ND	0.0335		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Styrene	ND	0.0335		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Isopropylbenzene	ND	0.0402		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Bromoform	ND	0.0335		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,1,2,2-Tetrachloroethane	ND	0.0201		mg/Kg-dry	1	9/2/2021 2:47:35 AM
n-Propylbenzene	ND	0.0402		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Bromobenzene	ND	0.0402		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,3,5-Trimethylbenzene	ND	0.0335		mg/Kg-dry	1	9/2/2021 2:47:35 AM
2-Chlorotoluene	ND	0.0402		mg/Kg-dry	1	9/2/2021 2:47:35 AM
4-Chlorotoluene	ND	0.0402		mg/Kg-dry	1	9/2/2021 2:47:35 AM
tert-Butylbenzene	ND	0.0402		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,2,3-Trichloropropane	ND	0.0335		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,2,4-Trichlorobenzene	ND	0.0536		mg/Kg-dry	1	9/2/2021 2:47:35 AM
sec-Butylbenzene	ND	0.0402		mg/Kg-dry	1	9/2/2021 2:47:35 AM
4-Isopropyltoluene	ND	0.0402		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,3-Dichlorobenzene	ND	0.0469		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,4-Dichlorobenzene	ND	0.0402		mg/Kg-dry	1	9/2/2021 2:47:35 AM
n-Butylbenzene	ND	0.0536		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,2-Dichlorobenzene	ND	0.0402		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,2-Dibromo-3-chloropropane	ND	0.0804		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,2,4-Trimethylbenzene	ND	0.0335		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Hexachloro-1,3-butadiene	ND	0.0670		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Naphthalene	ND	0.134		mg/Kg-dry	1	9/2/2021 2:47:35 AM
1,2,3-Trichlorobenzene	ND	0.0670		mg/Kg-dry	1	9/2/2021 2:47:35 AM
Surr: Dibromofluoromethane	92.6	75.5 - 119		%Rec	1	9/2/2021 2:47:35 AM
Surr: Toluene-d8	102	82.4 - 115		%Rec	1	9/2/2021 2:47:35 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 8:01:00 AM
Project: Swedish Block 95
Lab ID: 2108402-030
Matrix: Soil
Client Sample ID: **B95-AB-14-7.5X**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	93.3	78.5 - 118		%Rec	1	9/2/2021 2:47:35 AM
NOTES:						
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.						
Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	6.40	0.121		mg/Kg-dry	1	9/2/2021 5:38:00 PM
Sample Moisture (Percent Moisture)				Batch ID: R69644		Analyst: ALB
Percent Moisture	21.4	0.500		wt%	1	9/1/2021 11:38:47 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 8:20:00 AM
Project: Swedish Block 95
Lab ID: 2108402-032
Matrix: Soil
Client Sample ID: **B95-AB-14-15**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33567		Analyst: MM
Diesel (Fuel Oil)	ND	50.5		mg/Kg-dry	1	9/2/2021 1:48:49 PM
Heavy Oil	ND	101		mg/Kg-dry	1	9/2/2021 1:48:49 PM
Total Petroleum Hydrocarbons	ND	152		mg/Kg-dry	1	9/2/2021 1:48:49 PM
Surr: 2-Fluorobiphenyl	74.8	50 - 150		%Rec	1	9/2/2021 1:48:49 PM
Surr: o-Terphenyl	85.5	50 - 150		%Rec	1	9/2/2021 1:48:49 PM
Gasoline by NWTPH-Gx				Batch ID: 33562		Analyst: KT
Gasoline	ND	5.45		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Surr: Toluene-d8	92.2	65 - 135		%Rec	1	9/2/2021 3:18:26 AM
Surr: 4-Bromofluorobenzene	102	65 - 135		%Rec	1	9/2/2021 3:18:26 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0545	Q	mg/Kg-dry	1	9/2/2021 3:18:26 AM
Chloromethane	ND	0.0871	Q	mg/Kg-dry	1	9/2/2021 3:18:26 AM
Vinyl chloride	ND	0.0272		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Bromomethane	ND	0.163		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Trichlorofluoromethane (CFC-11)	ND	0.0545		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Chloroethane	ND	0.131		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,1-Dichloroethene	ND	0.109		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Acetone	ND	0.545		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Methylene chloride	ND	0.0163		mg/Kg-dry	1	9/2/2021 3:18:26 AM
trans-1,2-Dichloroethene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Methyl tert-butyl ether (MTBE)	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,1-Dichloroethane	ND	0.0272		mg/Kg-dry	1	9/2/2021 3:18:26 AM
cis-1,2-Dichloroethene	ND	0.0272		mg/Kg-dry	1	9/2/2021 3:18:26 AM
(MEK) 2-Butanone	ND	0.490		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Chloroform	ND	0.0272		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,1,1-Trichloroethane (TCA)	ND	0.0272		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,1-Dichloropropene	ND	0.0272		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Carbon tetrachloride	ND	0.0817		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,2-Dichloroethane (EDC)	ND	0.0251		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Benzene	ND	0.0218		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Trichloroethene (TCE)	ND	0.0218		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,2-Dichloropropane	ND	0.0218		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Bromodichloromethane	ND	0.0272		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Dibromomethane	ND	0.0218		mg/Kg-dry	1	9/2/2021 3:18:26 AM
cis-1,3-Dichloropropene	ND	0.0871		mg/Kg-dry	1	9/2/2021 3:18:26 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 8:20:00 AM
Project: Swedish Block 95
Lab ID: 2108402-032
Matrix: Soil
Client Sample ID: **B95-AB-14-15**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33562 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Trans-1,3-Dichloropropylene	ND	0.0545		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0817		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,1,2-Trichloroethane	ND	0.0185		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,3-Dichloropropane	ND	0.0218		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Tetrachloroethene (PCE)	ND	0.0436		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Dibromochloromethane	ND	0.0218		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,2-Dibromoethane (EDB)	ND	0.0109		mg/Kg-dry	1	9/2/2021 3:18:26 AM
2-Hexanone (MBK)	ND	0.0654		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Chlorobenzene	ND	0.0272		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,1,1,2-Tetrachloroethane	ND	0.0218		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Ethylbenzene	ND	0.0272		mg/Kg-dry	1	9/2/2021 3:18:26 AM
m,p-Xylene	ND	0.0545		mg/Kg-dry	1	9/2/2021 3:18:26 AM
o-Xylene	ND	0.0272		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Styrene	ND	0.0272		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Isopropylbenzene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Bromoform	ND	0.0272		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,1,2,2-Tetrachloroethane	ND	0.0163		mg/Kg-dry	1	9/2/2021 3:18:26 AM
n-Propylbenzene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Bromobenzene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,3,5-Trimethylbenzene	ND	0.0272		mg/Kg-dry	1	9/2/2021 3:18:26 AM
2-Chlorotoluene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:18:26 AM
4-Chlorotoluene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:18:26 AM
tert-Butylbenzene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,2,3-Trichloropropane	ND	0.0272		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,2,4-Trichlorobenzene	ND	0.0436		mg/Kg-dry	1	9/2/2021 3:18:26 AM
sec-Butylbenzene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:18:26 AM
4-Isopropyltoluene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,3-Dichlorobenzene	ND	0.0381		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,4-Dichlorobenzene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:18:26 AM
n-Butylbenzene	ND	0.0436		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,2-Dichlorobenzene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,2-Dibromo-3-chloropropane	ND	0.0654		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,2,4-Trimethylbenzene	ND	0.0272		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Hexachloro-1,3-butadiene	ND	0.0545		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Naphthalene	ND	0.109		mg/Kg-dry	1	9/2/2021 3:18:26 AM
1,2,3-Trichlorobenzene	ND	0.0545		mg/Kg-dry	1	9/2/2021 3:18:26 AM
Surr: Dibromofluoromethane	93.1	75.5 - 119		%Rec	1	9/2/2021 3:18:26 AM
Surr: Toluene-d8	93.4	82.4 - 115		%Rec	1	9/2/2021 3:18:26 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 8:20:00 AM
Project: Swedish Block 95
Lab ID: 2108402-032
Matrix: Soil
Client Sample ID: **B95-AB-14-15**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	95.0	78.5 - 118		%Rec	1	9/2/2021 3:18:26 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	2.46	0.101		mg/Kg-dry	1	9/2/2021 5:43:34 PM
Sample Moisture (Percent Moisture)				Batch ID: R69644		Analyst: ALB
Percent Moisture	9.65	0.500		wt%	1	9/1/2021 11:38:47 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 8:50:00 AM
Project: Swedish Block 95
Lab ID: 2108402-036
Matrix: Soil
Client Sample ID: **B95-AB-14-35**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33567		Analyst: MM
Diesel (Fuel Oil)	ND	54.3		mg/Kg-dry	1	9/2/2021 2:14:26 PM
Heavy Oil	ND	109		mg/Kg-dry	1	9/2/2021 2:14:26 PM
Total Petroleum Hydrocarbons	ND	163		mg/Kg-dry	1	9/2/2021 2:14:26 PM
Surr: 2-Fluorobiphenyl	68.9	50 - 150		%Rec	1	9/2/2021 2:14:26 PM
Surr: o-Terphenyl	77.6	50 - 150		%Rec	1	9/2/2021 2:14:26 PM
Gasoline by NWTPH-Gx				Batch ID: 33562		Analyst: KT
Gasoline	ND	6.28		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Surr: Toluene-d8	98.1	65 - 135		%Rec	1	9/2/2021 3:49:18 AM
Surr: 4-Bromofluorobenzene	105	65 - 135		%Rec	1	9/2/2021 3:49:18 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0628	Q	mg/Kg-dry	1	9/2/2021 3:49:18 AM
Chloromethane	ND	0.100	Q	mg/Kg-dry	1	9/2/2021 3:49:18 AM
Vinyl chloride	ND	0.0314		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Bromomethane	ND	0.188		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Trichlorofluoromethane (CFC-11)	ND	0.0628		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Chloroethane	ND	0.151		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,1-Dichloroethene	ND	0.126		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Acetone	ND	0.628		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Methylene chloride	ND	0.0188		mg/Kg-dry	1	9/2/2021 3:49:18 AM
trans-1,2-Dichloroethene	ND	0.0377		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Methyl tert-butyl ether (MTBE)	ND	0.0377		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,1-Dichloroethane	ND	0.0314		mg/Kg-dry	1	9/2/2021 3:49:18 AM
cis-1,2-Dichloroethene	ND	0.0314		mg/Kg-dry	1	9/2/2021 3:49:18 AM
(MEK) 2-Butanone	ND	0.565		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Chloroform	ND	0.0314		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,1,1-Trichloroethane (TCA)	ND	0.0314		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,1-Dichloropropene	ND	0.0314		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Carbon tetrachloride	ND	0.0942		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,2-Dichloroethane (EDC)	ND	0.0289		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Benzene	ND	0.0251		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Trichloroethene (TCE)	ND	0.0251		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,2-Dichloropropane	ND	0.0251		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Bromodichloromethane	ND	0.0314		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Dibromomethane	ND	0.0251		mg/Kg-dry	1	9/2/2021 3:49:18 AM
cis-1,3-Dichloropropene	ND	0.100		mg/Kg-dry	1	9/2/2021 3:49:18 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 8:50:00 AM
Project: Swedish Block 95
Lab ID: 2108402-036
Matrix: Soil
Client Sample ID: **B95-AB-14-35**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33562 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.0377		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Trans-1,3-Dichloropropylene	ND	0.0628		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0942		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,1,2-Trichloroethane	ND	0.0214		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,3-Dichloropropane	ND	0.0251		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Tetrachloroethene (PCE)	ND	0.0502		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Dibromochloromethane	ND	0.0251		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,2-Dibromoethane (EDB)	ND	0.0126		mg/Kg-dry	1	9/2/2021 3:49:18 AM
2-Hexanone (MBK)	ND	0.0754		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Chlorobenzene	ND	0.0314		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,1,1,2-Tetrachloroethane	ND	0.0251		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Ethylbenzene	ND	0.0314		mg/Kg-dry	1	9/2/2021 3:49:18 AM
m,p-Xylene	ND	0.0628		mg/Kg-dry	1	9/2/2021 3:49:18 AM
o-Xylene	ND	0.0314		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Styrene	ND	0.0314		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Isopropylbenzene	ND	0.0377		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Bromoform	ND	0.0314		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,1,2,2-Tetrachloroethane	ND	0.0188		mg/Kg-dry	1	9/2/2021 3:49:18 AM
n-Propylbenzene	ND	0.0377		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Bromobenzene	ND	0.0377		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,3,5-Trimethylbenzene	ND	0.0314		mg/Kg-dry	1	9/2/2021 3:49:18 AM
2-Chlorotoluene	ND	0.0377		mg/Kg-dry	1	9/2/2021 3:49:18 AM
4-Chlorotoluene	ND	0.0377		mg/Kg-dry	1	9/2/2021 3:49:18 AM
tert-Butylbenzene	ND	0.0377		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,2,3-Trichloropropane	ND	0.0314		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,2,4-Trichlorobenzene	ND	0.0502		mg/Kg-dry	1	9/2/2021 3:49:18 AM
sec-Butylbenzene	ND	0.0377		mg/Kg-dry	1	9/2/2021 3:49:18 AM
4-Isopropyltoluene	ND	0.0377		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,3-Dichlorobenzene	ND	0.0440		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,4-Dichlorobenzene	ND	0.0377		mg/Kg-dry	1	9/2/2021 3:49:18 AM
n-Butylbenzene	ND	0.0502		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,2-Dichlorobenzene	ND	0.0377		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,2-Dibromo-3-chloropropane	ND	0.0754		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,2,4-Trimethylbenzene	ND	0.0314		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Hexachloro-1,3-butadiene	ND	0.0628		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Naphthalene	ND	0.126		mg/Kg-dry	1	9/2/2021 3:49:18 AM
1,2,3-Trichlorobenzene	ND	0.0628		mg/Kg-dry	1	9/2/2021 3:49:18 AM
Surr: Dibromofluoromethane	93.3	75.5 - 119		%Rec	1	9/2/2021 3:49:18 AM
Surr: Toluene-d8	99.9	82.4 - 115		%Rec	1	9/2/2021 3:49:18 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 8:50:00 AM
Project: Swedish Block 95
Lab ID: 2108402-036
Matrix: Soil
Client Sample ID: **B95-AB-14-35**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	98.0	78.5 - 118		%Rec	1	9/2/2021 3:49:18 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	2.23	0.106		mg/Kg-dry	1	9/2/2021 5:49:07 PM
Sample Moisture (Percent Moisture)				Batch ID: R69644		Analyst: ALB
Percent Moisture	9.14	0.500		wt%	1	9/1/2021 11:38:47 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 10:43:00 AM
Project: Swedish Block 95
Lab ID: 2108402-041
Matrix: Soil
Client Sample ID: **B95-AB-13-7.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33567		Analyst: MM
Diesel (Fuel Oil)	ND	49.9		mg/Kg-dry	1	9/2/2021 2:27:13 PM
Heavy Oil	ND	99.8		mg/Kg-dry	1	9/2/2021 2:27:13 PM
Total Petroleum Hydrocarbons	ND	150		mg/Kg-dry	1	9/2/2021 2:27:13 PM
Surr: 2-Fluorobiphenyl	54.5	50 - 150		%Rec	1	9/2/2021 2:27:13 PM
Surr: o-Terphenyl	62.9	50 - 150		%Rec	1	9/2/2021 2:27:13 PM
Gasoline by NWTPH-Gx				Batch ID: 33562		Analyst: KT
Gasoline	ND	5.01		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Surr: Toluene-d8	97.9	65 - 135		%Rec	1	9/2/2021 4:20:09 AM
Surr: 4-Bromofluorobenzene	107	65 - 135		%Rec	1	9/2/2021 4:20:09 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0501	Q	mg/Kg-dry	1	9/2/2021 4:20:09 AM
Chloromethane	ND	0.0802	Q	mg/Kg-dry	1	9/2/2021 4:20:09 AM
Vinyl chloride	ND	0.0251		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Bromomethane	ND	0.150		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Trichlorofluoromethane (CFC-11)	ND	0.0501		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Chloroethane	ND	0.120		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,1-Dichloroethene	ND	0.100		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Acetone	ND	0.501		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Methylene chloride	ND	0.0150		mg/Kg-dry	1	9/2/2021 4:20:09 AM
trans-1,2-Dichloroethene	ND	0.0301		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Methyl tert-butyl ether (MTBE)	ND	0.0301		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,1-Dichloroethane	ND	0.0251		mg/Kg-dry	1	9/2/2021 4:20:09 AM
cis-1,2-Dichloroethene	ND	0.0251		mg/Kg-dry	1	9/2/2021 4:20:09 AM
(MEK) 2-Butanone	ND	0.451		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Chloroform	ND	0.0251		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,1,1-Trichloroethane (TCA)	ND	0.0251		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,1-Dichloropropene	ND	0.0251		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Carbon tetrachloride	ND	0.0752		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,2-Dichloroethane (EDC)	ND	0.0231		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Benzene	ND	0.0200		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Trichloroethene (TCE)	ND	0.0200		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,2-Dichloropropane	ND	0.0200		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Bromodichloromethane	ND	0.0251		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Dibromomethane	ND	0.0200		mg/Kg-dry	1	9/2/2021 4:20:09 AM
cis-1,3-Dichloropropene	ND	0.0802		mg/Kg-dry	1	9/2/2021 4:20:09 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 10:43:00 AM
Project: Swedish Block 95
Lab ID: 2108402-041
Matrix: Soil
Client Sample ID: **B95-AB-13-7.5**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33562 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.0301		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Trans-1,3-Dichloropropylene	ND	0.0501		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0752		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,1,2-Trichloroethane	ND	0.0170		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,3-Dichloropropane	ND	0.0200		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Tetrachloroethene (PCE)	ND	0.0401		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Dibromochloromethane	ND	0.0200		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,2-Dibromoethane (EDB)	ND	0.0100		mg/Kg-dry	1	9/2/2021 4:20:09 AM
2-Hexanone (MBK)	ND	0.0601		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Chlorobenzene	ND	0.0251		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,1,1,2-Tetrachloroethane	ND	0.0200		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Ethylbenzene	ND	0.0251		mg/Kg-dry	1	9/2/2021 4:20:09 AM
m,p-Xylene	ND	0.0501		mg/Kg-dry	1	9/2/2021 4:20:09 AM
o-Xylene	ND	0.0251		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Styrene	ND	0.0251		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Isopropylbenzene	ND	0.0301		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Bromoform	ND	0.0251		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,1,2,2-Tetrachloroethane	ND	0.0150		mg/Kg-dry	1	9/2/2021 4:20:09 AM
n-Propylbenzene	ND	0.0301		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Bromobenzene	ND	0.0301		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,3,5-Trimethylbenzene	ND	0.0251		mg/Kg-dry	1	9/2/2021 4:20:09 AM
2-Chlorotoluene	ND	0.0301		mg/Kg-dry	1	9/2/2021 4:20:09 AM
4-Chlorotoluene	ND	0.0301		mg/Kg-dry	1	9/2/2021 4:20:09 AM
tert-Butylbenzene	ND	0.0301		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,2,3-Trichloropropane	ND	0.0251		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,2,4-Trichlorobenzene	ND	0.0401		mg/Kg-dry	1	9/2/2021 4:20:09 AM
sec-Butylbenzene	ND	0.0301		mg/Kg-dry	1	9/2/2021 4:20:09 AM
4-Isopropyltoluene	ND	0.0301		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,3-Dichlorobenzene	ND	0.0351		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,4-Dichlorobenzene	ND	0.0301		mg/Kg-dry	1	9/2/2021 4:20:09 AM
n-Butylbenzene	ND	0.0401		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,2-Dichlorobenzene	ND	0.0301		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,2-Dibromo-3-chloropropane	ND	0.0601		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,2,4-Trimethylbenzene	ND	0.0251		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Hexachloro-1,3-butadiene	ND	0.0501		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Naphthalene	ND	0.100		mg/Kg-dry	1	9/2/2021 4:20:09 AM
1,2,3-Trichlorobenzene	ND	0.0501		mg/Kg-dry	1	9/2/2021 4:20:09 AM
Surr: Dibromofluoromethane	88.6	75.5 - 119		%Rec	1	9/2/2021 4:20:09 AM
Surr: Toluene-d8	95.6	82.4 - 115		%Rec	1	9/2/2021 4:20:09 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 10:43:00 AM
Project: Swedish Block 95
Lab ID: 2108402-041
Matrix: Soil
Client Sample ID: **B95-AB-13-7.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	100	78.5 - 118		%Rec	1	9/2/2021 4:20:09 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	7.07	0.112		mg/Kg-dry	1	9/2/2021 5:54:41 PM
Sample Moisture (Percent Moisture)				Batch ID: R69644		Analyst: ALB
Percent Moisture	14.4	0.500		wt%	1	9/1/2021 11:38:47 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 10:53:00 AM
Project: Swedish Block 95
Lab ID: 2108402-042
Matrix: Soil
Client Sample ID: **B95-AB-13-10**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33567		Analyst: MM
Diesel (Fuel Oil)	ND	51.7		mg/Kg-dry	1	9/2/2021 2:40:01 PM
Heavy Oil	ND	103		mg/Kg-dry	1	9/2/2021 2:40:01 PM
Total Petroleum Hydrocarbons	ND	155		mg/Kg-dry	1	9/2/2021 2:40:01 PM
Surr: 2-Fluorobiphenyl	62.3	50 - 150		%Rec	1	9/2/2021 2:40:01 PM
Surr: o-Terphenyl	69.4	50 - 150		%Rec	1	9/2/2021 2:40:01 PM
Gasoline by NWTPH-Gx				Batch ID: 33562		Analyst: KT
Gasoline	ND	5.54		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Surr: Toluene-d8	96.6	65 - 135		%Rec	1	9/2/2021 4:51:02 AM
Surr: 4-Bromofluorobenzene	105	65 - 135		%Rec	1	9/2/2021 4:51:02 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0554	Q	mg/Kg-dry	1	9/2/2021 4:51:02 AM
Chloromethane	ND	0.0886	Q	mg/Kg-dry	1	9/2/2021 4:51:02 AM
Vinyl chloride	ND	0.0277		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Bromomethane	ND	0.166		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Trichlorofluoromethane (CFC-11)	ND	0.0554		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Chloroethane	ND	0.133		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,1-Dichloroethene	ND	0.111		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Acetone	ND	0.554		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Methylene chloride	ND	0.0166		mg/Kg-dry	1	9/2/2021 4:51:02 AM
trans-1,2-Dichloroethene	ND	0.0332		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Methyl tert-butyl ether (MTBE)	ND	0.0332		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,1-Dichloroethane	ND	0.0277		mg/Kg-dry	1	9/2/2021 4:51:02 AM
cis-1,2-Dichloroethene	ND	0.0277		mg/Kg-dry	1	9/2/2021 4:51:02 AM
(MEK) 2-Butanone	ND	0.499		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Chloroform	ND	0.0277		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,1,1-Trichloroethane (TCA)	ND	0.0277		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,1-Dichloropropene	ND	0.0277		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Carbon tetrachloride	ND	0.0831		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,2-Dichloroethane (EDC)	ND	0.0255		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Benzene	ND	0.0222		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Trichloroethene (TCE)	ND	0.0222		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,2-Dichloropropane	ND	0.0222		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Bromodichloromethane	ND	0.0277		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Dibromomethane	ND	0.0222		mg/Kg-dry	1	9/2/2021 4:51:02 AM
cis-1,3-Dichloropropene	ND	0.0886		mg/Kg-dry	1	9/2/2021 4:51:02 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 10:53:00 AM
Project: Swedish Block 95
Lab ID: 2108402-042
Matrix: Soil
Client Sample ID: **B95-AB-13-10**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33562 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.0332		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Trans-1,3-Dichloropropylene	ND	0.0554		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0831		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,1,2-Trichloroethane	ND	0.0188		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,3-Dichloropropane	ND	0.0222		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Tetrachloroethene (PCE)	ND	0.0443		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Dibromochloromethane	ND	0.0222		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,2-Dibromoethane (EDB)	ND	0.0111		mg/Kg-dry	1	9/2/2021 4:51:02 AM
2-Hexanone (MBK)	ND	0.0665		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Chlorobenzene	ND	0.0277		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,1,1,2-Tetrachloroethane	ND	0.0222		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Ethylbenzene	ND	0.0277		mg/Kg-dry	1	9/2/2021 4:51:02 AM
m,p-Xylene	ND	0.0554		mg/Kg-dry	1	9/2/2021 4:51:02 AM
o-Xylene	ND	0.0277		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Styrene	ND	0.0277		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Isopropylbenzene	ND	0.0332		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Bromoform	ND	0.0277		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,1,2,2-Tetrachloroethane	ND	0.0166		mg/Kg-dry	1	9/2/2021 4:51:02 AM
n-Propylbenzene	ND	0.0332		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Bromobenzene	ND	0.0332		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,3,5-Trimethylbenzene	ND	0.0277		mg/Kg-dry	1	9/2/2021 4:51:02 AM
2-Chlorotoluene	ND	0.0332		mg/Kg-dry	1	9/2/2021 4:51:02 AM
4-Chlorotoluene	ND	0.0332		mg/Kg-dry	1	9/2/2021 4:51:02 AM
tert-Butylbenzene	ND	0.0332		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,2,3-Trichloropropane	ND	0.0277		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,2,4-Trichlorobenzene	ND	0.0443		mg/Kg-dry	1	9/2/2021 4:51:02 AM
sec-Butylbenzene	ND	0.0332		mg/Kg-dry	1	9/2/2021 4:51:02 AM
4-Isopropyltoluene	ND	0.0332		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,3-Dichlorobenzene	ND	0.0388		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,4-Dichlorobenzene	ND	0.0332		mg/Kg-dry	1	9/2/2021 4:51:02 AM
n-Butylbenzene	ND	0.0443		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,2-Dichlorobenzene	ND	0.0332		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,2-Dibromo-3-chloropropane	ND	0.0665		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,2,4-Trimethylbenzene	ND	0.0277		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Hexachloro-1,3-butadiene	ND	0.0554		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Naphthalene	ND	0.111		mg/Kg-dry	1	9/2/2021 4:51:02 AM
1,2,3-Trichlorobenzene	ND	0.0554		mg/Kg-dry	1	9/2/2021 4:51:02 AM
Surr: Dibromofluoromethane	92.5	75.5 - 119		%Rec	1	9/2/2021 4:51:02 AM
Surr: Toluene-d8	99.2	82.4 - 115		%Rec	1	9/2/2021 4:51:02 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 10:53:00 AM
Project: Swedish Block 95
Lab ID: 2108402-042
Matrix: Soil
Client Sample ID: **B95-AB-13-10**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	98.0	78.5 - 118		%Rec	1	9/2/2021 4:51:02 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	3.73	0.0997		mg/Kg-dry	1	9/2/2021 6:11:23 PM
Sample Moisture (Percent Moisture)				Batch ID: R69644		Analyst: ALB
Percent Moisture	5.97	0.500		wt%	1	9/1/2021 11:38:47 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 11:03:00 AM
Project: Swedish Block 95
Lab ID: 2108402-044
Matrix: Soil
Client Sample ID: **B95-AB-13-20**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33567		Analyst: MM
Diesel (Fuel Oil)	ND	52.3		mg/Kg-dry	1	9/2/2021 2:53:03 PM
Heavy Oil	ND	105		mg/Kg-dry	1	9/2/2021 2:53:03 PM
Total Petroleum Hydrocarbons	ND	157		mg/Kg-dry	1	9/2/2021 2:53:03 PM
Surr: 2-Fluorobiphenyl	64.7	50 - 150		%Rec	1	9/2/2021 2:53:03 PM
Surr: o-Terphenyl	73.1	50 - 150		%Rec	1	9/2/2021 2:53:03 PM
Gasoline by NWTPH-Gx				Batch ID: 33562		Analyst: KT
Gasoline	ND	6.57		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Surr: Toluene-d8	98.1	65 - 135		%Rec	1	9/2/2021 5:21:49 AM
Surr: 4-Bromofluorobenzene	107	65 - 135		%Rec	1	9/2/2021 5:21:49 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0657	Q	mg/Kg-dry	1	9/2/2021 5:21:49 AM
Chloromethane	ND	0.105	Q	mg/Kg-dry	1	9/2/2021 5:21:49 AM
Vinyl chloride	ND	0.0329		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Bromomethane	ND	0.197		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Trichlorofluoromethane (CFC-11)	ND	0.0657		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Chloroethane	ND	0.158		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,1-Dichloroethene	ND	0.131		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Acetone	ND	0.657		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Methylene chloride	ND	0.0197		mg/Kg-dry	1	9/2/2021 5:21:49 AM
trans-1,2-Dichloroethene	ND	0.0394		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Methyl tert-butyl ether (MTBE)	ND	0.0394		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,1-Dichloroethane	ND	0.0329		mg/Kg-dry	1	9/2/2021 5:21:49 AM
cis-1,2-Dichloroethene	ND	0.0329		mg/Kg-dry	1	9/2/2021 5:21:49 AM
(MEK) 2-Butanone	ND	0.592		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Chloroform	ND	0.0329		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,1,1-Trichloroethane (TCA)	ND	0.0329		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,1-Dichloropropene	ND	0.0329		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Carbon tetrachloride	ND	0.0986		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,2-Dichloroethane (EDC)	ND	0.0302		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Benzene	ND	0.0263		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Trichloroethene (TCE)	ND	0.0263		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,2-Dichloropropane	ND	0.0263		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Bromodichloromethane	ND	0.0329		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Dibromomethane	ND	0.0263		mg/Kg-dry	1	9/2/2021 5:21:49 AM
cis-1,3-Dichloropropene	ND	0.105		mg/Kg-dry	1	9/2/2021 5:21:49 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 11:03:00 AM
Project: Swedish Block 95
Lab ID: 2108402-044
Matrix: Soil
Client Sample ID: **B95-AB-13-20**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33562 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.0394		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Trans-1,3-Dichloropropylene	ND	0.0657		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0986		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,1,2-Trichloroethane	ND	0.0224		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,3-Dichloropropane	ND	0.0263		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Tetrachloroethene (PCE)	ND	0.0526		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Dibromochloromethane	ND	0.0263		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,2-Dibromoethane (EDB)	ND	0.0131		mg/Kg-dry	1	9/2/2021 5:21:49 AM
2-Hexanone (MBK)	ND	0.0789		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Chlorobenzene	ND	0.0329		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,1,1,2-Tetrachloroethane	ND	0.0263		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Ethylbenzene	ND	0.0329		mg/Kg-dry	1	9/2/2021 5:21:49 AM
m,p-Xylene	ND	0.0657		mg/Kg-dry	1	9/2/2021 5:21:49 AM
o-Xylene	ND	0.0329		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Styrene	ND	0.0329		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Isopropylbenzene	ND	0.0394		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Bromoform	ND	0.0329		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,1,2,2-Tetrachloroethane	ND	0.0197		mg/Kg-dry	1	9/2/2021 5:21:49 AM
n-Propylbenzene	ND	0.0394		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Bromobenzene	ND	0.0394		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,3,5-Trimethylbenzene	ND	0.0329		mg/Kg-dry	1	9/2/2021 5:21:49 AM
2-Chlorotoluene	ND	0.0394		mg/Kg-dry	1	9/2/2021 5:21:49 AM
4-Chlorotoluene	ND	0.0394		mg/Kg-dry	1	9/2/2021 5:21:49 AM
tert-Butylbenzene	ND	0.0394		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,2,3-Trichloropropane	ND	0.0329		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,2,4-Trichlorobenzene	ND	0.0526		mg/Kg-dry	1	9/2/2021 5:21:49 AM
sec-Butylbenzene	ND	0.0394		mg/Kg-dry	1	9/2/2021 5:21:49 AM
4-Isopropyltoluene	ND	0.0394		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,3-Dichlorobenzene	ND	0.0460		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,4-Dichlorobenzene	ND	0.0394		mg/Kg-dry	1	9/2/2021 5:21:49 AM
n-Butylbenzene	ND	0.0526		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,2-Dichlorobenzene	ND	0.0394		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,2-Dibromo-3-chloropropane	ND	0.0789		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,2,4-Trimethylbenzene	ND	0.0329		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Hexachloro-1,3-butadiene	ND	0.0657		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Naphthalene	ND	0.131		mg/Kg-dry	1	9/2/2021 5:21:49 AM
1,2,3-Trichlorobenzene	ND	0.0657		mg/Kg-dry	1	9/2/2021 5:21:49 AM
Surr: Dibromofluoromethane	93.4	75.5 - 119		%Rec	1	9/2/2021 5:21:49 AM
Surr: Toluene-d8	99.5	82.4 - 115		%Rec	1	9/2/2021 5:21:49 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 11:03:00 AM
Project: Swedish Block 95
Lab ID: 2108402-044
Matrix: Soil
Client Sample ID: **B95-AB-13-20**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	99.8	78.5 - 118		%Rec	1	9/2/2021 5:21:49 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	4.73	0.108		mg/Kg-dry	1	9/2/2021 6:16:57 PM
Sample Moisture (Percent Moisture)				Batch ID: R69644		Analyst: ALB
Percent Moisture	10.8	0.500		wt%	1	9/1/2021 11:38:47 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 12:57:00 PM
Project: Swedish Block 95
Lab ID: 2108402-048
Matrix: Soil
Client Sample ID: **B95-AB-12-7.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33571		Analyst: MM
Diesel (Fuel Oil)	ND	52.0		mg/Kg-dry	1	9/2/2021 1:48:49 PM
Heavy Oil	ND	104		mg/Kg-dry	1	9/2/2021 1:48:49 PM
Total Petroleum Hydrocarbons	ND	156		mg/Kg-dry	1	9/2/2021 1:48:49 PM
Surr: 2-Fluorobiphenyl	83.9	50 - 150		%Rec	1	9/2/2021 1:48:49 PM
Surr: o-Terphenyl	88.7	50 - 150		%Rec	1	9/2/2021 1:48:49 PM
Gasoline by NWTPH-Gx				Batch ID: 33562		Analyst: KT
Gasoline	ND	6.39		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Surr: Toluene-d8	97.3	65 - 135		%Rec	1	9/2/2021 5:52:34 AM
Surr: 4-Bromofluorobenzene	104	65 - 135		%Rec	1	9/2/2021 5:52:34 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0639	Q	mg/Kg-dry	1	9/2/2021 5:52:34 AM
Chloromethane	ND	0.102	Q	mg/Kg-dry	1	9/2/2021 5:52:34 AM
Vinyl chloride	ND	0.0319		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Bromomethane	ND	0.192		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Trichlorofluoromethane (CFC-11)	ND	0.0639		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Chloroethane	ND	0.153		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,1-Dichloroethene	ND	0.128		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Acetone	ND	0.639		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Methylene chloride	ND	0.0192		mg/Kg-dry	1	9/2/2021 5:52:34 AM
trans-1,2-Dichloroethene	ND	0.0383		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Methyl tert-butyl ether (MTBE)	ND	0.0383		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,1-Dichloroethane	ND	0.0319		mg/Kg-dry	1	9/2/2021 5:52:34 AM
cis-1,2-Dichloroethene	ND	0.0319		mg/Kg-dry	1	9/2/2021 5:52:34 AM
(MEK) 2-Butanone	ND	0.575		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Chloroform	ND	0.0319		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,1,1-Trichloroethane (TCA)	ND	0.0319		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,1-Dichloropropene	ND	0.0319		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Carbon tetrachloride	ND	0.0958		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,2-Dichloroethane (EDC)	ND	0.0294		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Benzene	ND	0.0255		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Trichloroethene (TCE)	ND	0.0255		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,2-Dichloropropane	ND	0.0255		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Bromodichloromethane	ND	0.0319		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Dibromomethane	ND	0.0255		mg/Kg-dry	1	9/2/2021 5:52:34 AM
cis-1,3-Dichloropropene	ND	0.102		mg/Kg-dry	1	9/2/2021 5:52:34 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 12:57:00 PM
Project: Swedish Block 95
Lab ID: 2108402-048
Matrix: Soil
Client Sample ID: **B95-AB-12-7.5**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33562 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.0383		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Trans-1,3-Dichloropropylene	ND	0.0639		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0958		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,1,2-Trichloroethane	ND	0.0217		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,3-Dichloropropane	ND	0.0255		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Tetrachloroethene (PCE)	ND	0.0511		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Dibromochloromethane	ND	0.0255		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,2-Dibromoethane (EDB)	ND	0.0128		mg/Kg-dry	1	9/2/2021 5:52:34 AM
2-Hexanone (MBK)	ND	0.0766		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Chlorobenzene	ND	0.0319		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,1,1,2-Tetrachloroethane	ND	0.0255		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Ethylbenzene	ND	0.0319		mg/Kg-dry	1	9/2/2021 5:52:34 AM
m,p-Xylene	ND	0.0639		mg/Kg-dry	1	9/2/2021 5:52:34 AM
o-Xylene	ND	0.0319		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Styrene	ND	0.0319		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Isopropylbenzene	ND	0.0383		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Bromoform	ND	0.0319		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,1,2,2-Tetrachloroethane	ND	0.0192		mg/Kg-dry	1	9/2/2021 5:52:34 AM
n-Propylbenzene	ND	0.0383		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Bromobenzene	ND	0.0383		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,3,5-Trimethylbenzene	ND	0.0319		mg/Kg-dry	1	9/2/2021 5:52:34 AM
2-Chlorotoluene	ND	0.0383		mg/Kg-dry	1	9/2/2021 5:52:34 AM
4-Chlorotoluene	ND	0.0383		mg/Kg-dry	1	9/2/2021 5:52:34 AM
tert-Butylbenzene	ND	0.0383		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,2,3-Trichloropropane	ND	0.0319		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,2,4-Trichlorobenzene	ND	0.0511		mg/Kg-dry	1	9/2/2021 5:52:34 AM
sec-Butylbenzene	ND	0.0383		mg/Kg-dry	1	9/2/2021 5:52:34 AM
4-Isopropyltoluene	ND	0.0383		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,3-Dichlorobenzene	ND	0.0447		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,4-Dichlorobenzene	ND	0.0383		mg/Kg-dry	1	9/2/2021 5:52:34 AM
n-Butylbenzene	ND	0.0511		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,2-Dichlorobenzene	ND	0.0383		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,2-Dibromo-3-chloropropane	ND	0.0766		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,2,4-Trimethylbenzene	ND	0.0319		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Hexachloro-1,3-butadiene	ND	0.0639		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Naphthalene	ND	0.128		mg/Kg-dry	1	9/2/2021 5:52:34 AM
1,2,3-Trichlorobenzene	ND	0.0639		mg/Kg-dry	1	9/2/2021 5:52:34 AM
Surr: Dibromofluoromethane	92.8	75.5 - 119		%Rec	1	9/2/2021 5:52:34 AM
Surr: Toluene-d8	99.8	82.4 - 115		%Rec	1	9/2/2021 5:52:34 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 12:57:00 PM
Project: Swedish Block 95
Lab ID: 2108402-048
Matrix: Soil
Client Sample ID: **B95-AB-12-7.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33562		Analyst: KT
Surr: 1-Bromo-4-fluorobenzene	97.0	78.5 - 118		%Rec	1	9/2/2021 5:52:34 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	4.39	0.0982		mg/Kg-dry	1	9/2/2021 6:22:30 PM
Sample Moisture (Percent Moisture)				Batch ID: R69644		Analyst: ALB
Percent Moisture	5.23	0.500		wt%	1	9/1/2021 11:38:47 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 1:10:00 PM
Project: Swedish Block 95
Lab ID: 2108402-050
Matrix: Soil
Client Sample ID: **B95-AB-12-15**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33571		Analyst: MM
Diesel (Fuel Oil)	ND	50.1		mg/Kg-dry	1	9/2/2021 2:14:26 PM
Heavy Oil	ND	100		mg/Kg-dry	1	9/2/2021 2:14:26 PM
Total Petroleum Hydrocarbons	ND	150		mg/Kg-dry	1	9/2/2021 2:14:26 PM
Surr: 2-Fluorobiphenyl	80.7	50 - 150		%Rec	1	9/2/2021 2:14:26 PM
Surr: o-Terphenyl	88.1	50 - 150		%Rec	1	9/2/2021 2:14:26 PM
Gasoline by NWTPH-Gx				Batch ID: 33576		Analyst: CR
Gasoline	ND	4.86		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Surr: Toluene-d8	94.1	65 - 135		%Rec	1	9/2/2021 1:54:43 PM
Surr: 4-Bromofluorobenzene	104	65 - 135		%Rec	1	9/2/2021 1:54:43 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33576		Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0486		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Chloromethane	ND	0.0778		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Vinyl chloride	ND	0.0243		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Bromomethane	ND	0.146		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Trichlorofluoromethane (CFC-11)	ND	0.0486		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Chloroethane	ND	0.117		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,1-Dichloroethene	ND	0.0972		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Acetone	ND	0.486		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Methylene chloride	ND	0.0146		mg/Kg-dry	1	9/2/2021 1:54:43 PM
trans-1,2-Dichloroethene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Methyl tert-butyl ether (MTBE)	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,1-Dichloroethane	ND	0.0243		mg/Kg-dry	1	9/2/2021 1:54:43 PM
cis-1,2-Dichloroethene	ND	0.0243		mg/Kg-dry	1	9/2/2021 1:54:43 PM
(MEK) 2-Butanone	ND	0.437		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Chloroform	ND	0.0243		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,1,1-Trichloroethane (TCA)	ND	0.0243		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,1-Dichloropropene	ND	0.0243		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Carbon tetrachloride	ND	0.0729		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,2-Dichloroethane (EDC)	ND	0.0224		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Benzene	ND	0.0194		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Trichloroethene (TCE)	ND	0.0194		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,2-Dichloropropane	ND	0.0194		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Bromodichloromethane	ND	0.0243		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Dibromomethane	ND	0.0194		mg/Kg-dry	1	9/2/2021 1:54:43 PM
cis-1,3-Dichloropropene	ND	0.0778		mg/Kg-dry	1	9/2/2021 1:54:43 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 1:10:00 PM
Project: Swedish Block 95
Lab ID: 2108402-050
Matrix: Soil
Client Sample ID: **B95-AB-12-15**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33576 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Trans-1,3-Dichloropropylene	ND	0.0486		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0729		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,1,2-Trichloroethane	ND	0.0165		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,3-Dichloropropane	ND	0.0194		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Tetrachloroethene (PCE)	ND	0.0389		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Dibromochloromethane	ND	0.0194		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,2-Dibromoethane (EDB)	ND	0.00972		mg/Kg-dry	1	9/2/2021 1:54:43 PM
2-Hexanone (MBK)	ND	0.0583		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Chlorobenzene	ND	0.0243		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,1,1,2-Tetrachloroethane	ND	0.0194		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Ethylbenzene	ND	0.0243		mg/Kg-dry	1	9/2/2021 1:54:43 PM
m,p-Xylene	ND	0.0486		mg/Kg-dry	1	9/2/2021 1:54:43 PM
o-Xylene	ND	0.0243		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Styrene	ND	0.0243		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Isopropylbenzene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Bromoform	ND	0.0243		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,1,2,2-Tetrachloroethane	ND	0.0146		mg/Kg-dry	1	9/2/2021 1:54:43 PM
n-Propylbenzene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Bromobenzene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,3,5-Trimethylbenzene	ND	0.0243		mg/Kg-dry	1	9/2/2021 1:54:43 PM
2-Chlorotoluene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:54:43 PM
4-Chlorotoluene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:54:43 PM
tert-Butylbenzene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,2,3-Trichloropropane	ND	0.0243		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,2,4-Trichlorobenzene	ND	0.0389		mg/Kg-dry	1	9/2/2021 1:54:43 PM
sec-Butylbenzene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:54:43 PM
4-Isopropyltoluene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,3-Dichlorobenzene	ND	0.0340		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,4-Dichlorobenzene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:54:43 PM
n-Butylbenzene	ND	0.0389		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,2-Dichlorobenzene	ND	0.0292		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,2-Dibromo-3-chloropropane	ND	0.0583		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,2,4-Trimethylbenzene	ND	0.0243		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Hexachloro-1,3-butadiene	ND	0.0486		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Naphthalene	ND	0.0972		mg/Kg-dry	1	9/2/2021 1:54:43 PM
1,2,3-Trichlorobenzene	ND	0.0486		mg/Kg-dry	1	9/2/2021 1:54:43 PM
Surr: Dibromofluoromethane	92.3	75.5 - 119		%Rec	1	9/2/2021 1:54:43 PM
Surr: Toluene-d8	100	82.4 - 115		%Rec	1	9/2/2021 1:54:43 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 1:10:00 PM
Project: Swedish Block 95
Lab ID: 2108402-050
Matrix: Soil
Client Sample ID: **B95-AB-12-15**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33576		Analyst: CR
Surr: 1-Bromo-4-fluorobenzene	96.7	78.5 - 118		%Rec	1	9/2/2021 1:54:43 PM
Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	2.53	0.110		mg/Kg-dry	1	9/2/2021 6:28:04 PM
Sample Moisture (Percent Moisture)				Batch ID: R69644		Analyst: ALB
Percent Moisture	15.5	0.500		wt%	1	9/1/2021 11:38:47 AM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 1:30:00 PM
Project: Swedish Block 95
Lab ID: 2108402-053
Matrix: Soil
Client Sample ID: **B95-AB-12-30**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33571		Analyst: MM
Diesel (Fuel Oil)	ND	56.0		mg/Kg-dry	1	9/2/2021 2:27:13 PM
Heavy Oil	ND	112		mg/Kg-dry	1	9/2/2021 2:27:13 PM
Total Petroleum Hydrocarbons	ND	168		mg/Kg-dry	1	9/2/2021 2:27:13 PM
Surr: 2-Fluorobiphenyl	80.5	50 - 150		%Rec	1	9/2/2021 2:27:13 PM
Surr: o-Terphenyl	86.5	50 - 150		%Rec	1	9/2/2021 2:27:13 PM
Gasoline by NWTPH-Gx				Batch ID: 33576		Analyst: CR
Gasoline	ND	6.85		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Surr: Toluene-d8	95.5	65 - 135		%Rec	1	9/2/2021 2:56:47 PM
Surr: 4-Bromofluorobenzene	107	65 - 135		%Rec	1	9/2/2021 2:56:47 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33576		Analyst: CR
Dichlorodifluoromethane (CFC-12)	ND	0.0685		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Chloromethane	ND	0.110		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Vinyl chloride	ND	0.0342		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Bromomethane	ND	0.205		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Trichlorofluoromethane (CFC-11)	ND	0.0685		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Chloroethane	ND	0.164		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,1-Dichloroethene	ND	0.137		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Acetone	ND	0.685		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Methylene chloride	ND	0.0205		mg/Kg-dry	1	9/2/2021 2:56:47 PM
trans-1,2-Dichloroethene	ND	0.0411		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Methyl tert-butyl ether (MTBE)	ND	0.0411		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,1-Dichloroethane	ND	0.0342		mg/Kg-dry	1	9/2/2021 2:56:47 PM
cis-1,2-Dichloroethene	ND	0.0342		mg/Kg-dry	1	9/2/2021 2:56:47 PM
(MEK) 2-Butanone	ND	0.616		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Chloroform	ND	0.0342		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,1,1-Trichloroethane (TCA)	ND	0.0342		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,1-Dichloropropene	ND	0.0342		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Carbon tetrachloride	ND	0.103		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,2-Dichloroethane (EDC)	ND	0.0315		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Benzene	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Trichloroethene (TCE)	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,2-Dichloropropane	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Bromodichloromethane	ND	0.0342		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Dibromomethane	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:56:47 PM
cis-1,3-Dichloropropene	ND	0.110		mg/Kg-dry	1	9/2/2021 2:56:47 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 1:30:00 PM
Project: Swedish Block 95
Lab ID: 2108402-053
Matrix: Soil
Client Sample ID: **B95-AB-12-30**

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33576 Analyst: CR

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.0411		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Trans-1,3-Dichloropropylene	ND	0.0685		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.103		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,1,2-Trichloroethane	ND	0.0233		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,3-Dichloropropane	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Tetrachloroethene (PCE)	ND	0.0548		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Dibromochloromethane	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,2-Dibromoethane (EDB)	ND	0.0137		mg/Kg-dry	1	9/2/2021 2:56:47 PM
2-Hexanone (MBK)	ND	0.0821		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Chlorobenzene	ND	0.0342		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,1,1,2-Tetrachloroethane	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Ethylbenzene	ND	0.0342		mg/Kg-dry	1	9/2/2021 2:56:47 PM
m,p-Xylene	ND	0.0685		mg/Kg-dry	1	9/2/2021 2:56:47 PM
o-Xylene	ND	0.0342		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Styrene	ND	0.0342		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Isopropylbenzene	ND	0.0411		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Bromoform	ND	0.0342		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,1,2,2-Tetrachloroethane	ND	0.0205		mg/Kg-dry	1	9/2/2021 2:56:47 PM
n-Propylbenzene	ND	0.0411		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Bromobenzene	ND	0.0411		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,3,5-Trimethylbenzene	ND	0.0342		mg/Kg-dry	1	9/2/2021 2:56:47 PM
2-Chlorotoluene	ND	0.0411		mg/Kg-dry	1	9/2/2021 2:56:47 PM
4-Chlorotoluene	ND	0.0411		mg/Kg-dry	1	9/2/2021 2:56:47 PM
tert-Butylbenzene	ND	0.0411		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,2,3-Trichloropropane	ND	0.0342		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,2,4-Trichlorobenzene	ND	0.0548		mg/Kg-dry	1	9/2/2021 2:56:47 PM
sec-Butylbenzene	ND	0.0411		mg/Kg-dry	1	9/2/2021 2:56:47 PM
4-Isopropyltoluene	ND	0.0411		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,3-Dichlorobenzene	ND	0.0479		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,4-Dichlorobenzene	ND	0.0411		mg/Kg-dry	1	9/2/2021 2:56:47 PM
n-Butylbenzene	ND	0.0548		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,2-Dichlorobenzene	ND	0.0411		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,2-Dibromo-3-chloropropane	ND	0.0821		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,2,4-Trimethylbenzene	ND	0.0342		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Hexachloro-1,3-butadiene	ND	0.0685		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Naphthalene	ND	0.137		mg/Kg-dry	1	9/2/2021 2:56:47 PM
1,2,3-Trichlorobenzene	ND	0.0685		mg/Kg-dry	1	9/2/2021 2:56:47 PM
Surr: Dibromofluoromethane	90.1	75.5 - 119		%Rec	1	9/2/2021 2:56:47 PM
Surr: Toluene-d8	98.4	82.4 - 115		%Rec	1	9/2/2021 2:56:47 PM

Analytical Report

Work Order: **2108402**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/27/2021 1:30:00 PM
Project: Swedish Block 95
Lab ID: 2108402-053
Matrix: Soil
Client Sample ID: **B95-AB-12-30**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33576		Analyst: CR
Surr: 1-Bromo-4-fluorobenzene	99.8	78.5 - 118		%Rec	1	9/2/2021 2:56:47 PM
Total Metals by EPA Method 6020B				Batch ID: 33549		Analyst: EH
Arsenic	2.60	0.105		mg/Kg-dry	1	9/2/2021 6:33:37 PM
Sample Moisture (Percent Moisture)				Batch ID: R69644		Analyst: ALB
Percent Moisture	11.0	0.500		wt%	1	9/1/2021 11:38:47 AM

Date: *9/7/2021*

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-33549** SampType: **MBLK** Units: **mg/Kg** Prep Date: **8/31/2021** RunNo: **69685**
Client ID: **MBLKS** Batch ID: **33549** Analysis Date: **9/2/2021** SeqNo: **1412547**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0960									

Sample ID: **LCS-33549** SampType: **LCS** Units: **mg/Kg** Prep Date: **8/31/2021** RunNo: **69685**
Client ID: **LCSS** Batch ID: **33549** Analysis Date: **9/2/2021** SeqNo: **1412548**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	37.6	0.0938	39.06	0	96.2	80	120				

Sample ID: **2108402-014AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **8/31/2021** RunNo: **69685**
Client ID: **B95-AB-16-25X** Batch ID: **33549** Analysis Date: **9/2/2021** SeqNo: **1412551**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	41.5	0.0970	40.41	2.475	96.6	75	125				

Sample ID: **2108402-014AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **8/31/2021** RunNo: **69685**
Client ID: **B95-AB-16-25X** Batch ID: **33549** Analysis Date: **9/2/2021** SeqNo: **1412552**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	43.8	0.0992	41.34	2.475	99.9	75	125	41.52	5.33	20	

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-33567** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/1/2021** RunNo: **69665**
Client ID: **MBLKS** Batch ID: **33567** Analysis Date: **9/1/2021** SeqNo: **1412153**

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	8.03		10.00		80.3	50	150				
Surr: o-Terphenyl	8.91		10.00		89.1	50	150				

Sample ID: **LCS-33567** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/1/2021** RunNo: **69665**
Client ID: **LCSS** Batch ID: **33567** Analysis Date: **9/1/2021** SeqNo: **1412154**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	499	150	500.0	0	99.9	77.2	122				
Surr: 2-Fluorobiphenyl	7.34		10.00		73.4	50	150				
Surr: o-Terphenyl	10.7		10.00		107	50	150				

Sample ID: **2109001-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69665**
Client ID: **BATCH** Batch ID: **33567** Analysis Date: **9/1/2021** SeqNo: **1412156**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	414	142	471.8	0	87.6	68	132				
Surr: 2-Fluorobiphenyl	5.89		9.436		62.4	50	150				
Surr: o-Terphenyl	9.35		9.436		99.1	50	150				

Sample ID: **2109001-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69665**
Client ID: **BATCH** Batch ID: **33567** Analysis Date: **9/1/2021** SeqNo: **1412157**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	492	152	505.5	0	97.4	68	132	413.5	17.4	30	
Surr: 2-Fluorobiphenyl	6.17		10.11		61.0	50	150		0		
Surr: o-Terphenyl	10.1		10.11		100	50	150		0		

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2109001-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69665**
Client ID: **BATCH** Batch ID: **33567** Analysis Date: **9/1/2021** SeqNo: **1412157**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2108402-014ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69665**
Client ID: **B95-AB-16-25X** Batch ID: **33567** Analysis Date: **9/2/2021** SeqNo: **1412872**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.7						0		30	
Heavy Oil	ND	101						0		30	
Total Petroleum Hydrocarbons	ND	152						0		30	
Surr: 2-Fluorobiphenyl	7.79		10.13		76.9	50	150		0		
Surr: o-Terphenyl	8.89		10.13		87.7	50	150		0		

Sample ID: **LCS-33571** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/1/2021** RunNo: **69689**
Client ID: **LCSS** Batch ID: **33571** Analysis Date: **9/2/2021** SeqNo: **1412615**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	537	150	500.0	0	107	77.2	122				
Surr: 2-Fluorobiphenyl	7.71		10.00		77.1	50	150				
Surr: o-Terphenyl	10.0		10.00		100	50	150				

Sample ID: **MB-33571** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/1/2021** RunNo: **69689**
Client ID: **MBLKS** Batch ID: **33571** Analysis Date: **9/2/2021** SeqNo: **1412616**

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	8.44		10.00		84.4	50	150				
Surr: o-Terphenyl	8.81		10.00		88.1	50	150				

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2108402-053AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69689**
Client ID: **B95-AB-12-30** Batch ID: **33571** Analysis Date: **9/2/2021** SeqNo: **1412623**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	637	168	560.4	0	114	68	132				
Surr: 2-Fluorobiphenyl	8.80		11.21		78.5	50	150				
Surr: o-Terphenyl	13.5		11.21		120	50	150				

Sample ID: **2108402-053AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69689**
Client ID: **B95-AB-12-30** Batch ID: **33571** Analysis Date: **9/2/2021** SeqNo: **1412624**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	565	168	561.0	0	101	68	132	637.0	12.0	30	
Surr: 2-Fluorobiphenyl	8.04		11.22		71.7	50	150		0		
Surr: o-Terphenyl	12.2		11.22		108	50	150		0		

Sample ID: **2108428-002ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69689**
Client ID: **BATCH** Batch ID: **33571** Analysis Date: **9/2/2021** SeqNo: **1412626**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	55.3						0		30	
Heavy Oil	ND	111						0		30	
Total Petroleum Hydrocarbons	ND	166						0		30	
Surr: 2-Fluorobiphenyl	9.16		11.05		82.9	50	150		0		
Surr: o-Terphenyl	10.1		11.05		91.1	50	150		0		

Date: *9/7/2021*

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-33562** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/1/2021** RunNo: **69662**
Client ID: **LCSS** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1412028**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	22.5	5.00	25.00	0	90.0	65	135				
Surr: Toluene-d8	1.24		1.250		99.0	65	135				
Surr: 4-Bromofluorobenzene	1.36		1.250		109	65	135				

Sample ID: **MB-33562** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/1/2021** RunNo: **69662**
Client ID: **MBLKS** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1412029**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.27		1.250		101	65	135				
Surr: 4-Bromofluorobenzene	1.38		1.250		110	65	135				

Sample ID: **2108402-002BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69662**
Client ID: **B95-AB-11-5'** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1412031**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.16						0		30	
Surr: Toluene-d8	1.22		1.291		94.7	65	135		0		
Surr: 4-Bromofluorobenzene	1.35		1.291		104	65	135		0		

Sample ID: **2108402-007BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69662**
Client ID: **B95-AB-11-25'** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1412034**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.79						0		30	
Surr: Toluene-d8	1.38		1.447		95.4	65	135		0		
Surr: 4-Bromofluorobenzene	1.50		1.447		104	65	135		0		

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2108402-008BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69662**
Client ID: **B95-AB-16-2.5** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1412038**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	49.8	7.03	35.14	7.970	119	65	135				
Surr: Toluene-d8	1.67		1.757		95.2	65	135				
Surr: 4-Bromofluorobenzene	1.76		1.757		99.9	65	135				

Sample ID: **LCS-33576** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/2/2021** RunNo: **69691**
Client ID: **LCSS** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412836**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	26.2	5.00	25.00	0	105	65	135				
Surr: Toluene-d8	1.24		1.250		98.9	65	135				
Surr: 4-Bromofluorobenzene	1.35		1.250		108	65	135				

Sample ID: **MB-33576** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/2/2021** RunNo: **69691**
Client ID: **MBLKS** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412837**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.20		1.250		96.3	65	135				
Surr: 4-Bromofluorobenzene	1.31		1.250		105	65	135				

Sample ID: **2108402-050BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69691**
Client ID: **B95-AB-12-15** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412841**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	4.86						0		30	
Surr: Toluene-d8	1.15		1.215		94.6	65	135		0		
Surr: 4-Bromofluorobenzene	1.28		1.215		105	65	135		0		

Date: *9/7/2021*

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2108426-001BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69691**
Client ID: **BATCH** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412848**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	33.3	6.22	31.11	0	107	65	135				
Surr: Toluene-d8	1.44		1.556		92.4	65	135				
Surr: 4-Bromofluorobenzene	1.66		1.556		107	65	135				

Sample ID: **2109046-003BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69691**
Client ID: **BATCH** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412852**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	4.83						0		30	
Surr: Toluene-d8	1.14		1.208		94.7	65	135		0		
Surr: 4-Bromofluorobenzene	1.23		1.208		102	65	135		0		

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-33562** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/1/2021** RunNo: **69661**
Client ID: **LCSS** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1412025**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.683	0.0500	1.000	0	68.3	80	120				S
Chloromethane	0.810	0.0800	1.000	0	81.0	80	120				
Vinyl chloride	0.911	0.0250	1.000	0	91.1	80	120				
Bromomethane	0.912	0.150	1.000	0	91.2	80	120				
Trichlorofluoromethane (CFC-11)	1.05	0.0500	1.000	0	105	80	120				
Chloroethane	0.964	0.120	1.000	0	96.4	80	120				
1,1-Dichloroethene	1.02	0.100	1.000	0	102	80	120				
Acetone	2.42	0.500	2.500	0	96.7	80	120				
Methylene chloride	1.00	0.0150	1.000	0	100	80	120				
trans-1,2-Dichloroethene	0.925	0.0300	1.000	0	92.5	80	120				
Methyl tert-butyl ether (MTBE)	0.911	0.0300	1.000	0	91.1	80	120				
1,1-Dichloroethane	0.959	0.0250	1.000	0	95.9	80	120				
cis-1,2-Dichloroethene	0.906	0.0250	1.000	0	90.6	80	120				
(MEK) 2-Butanone	2.16	0.450	2.500	0	86.5	80	120				
Chloroform	0.876	0.0250	1.000	0	87.6	80	120				
1,1,1-Trichloroethane (TCA)	1.04	0.0250	1.000	0	104	80	120				
1,1-Dichloropropene	1.05	0.0250	1.000	0	105	80	120				
Carbon tetrachloride	1.02	0.0750	1.000	0	102	80	120				
1,2-Dichloroethane (EDC)	0.931	0.0230	1.000	0	93.1	80	120				
Benzene	0.945	0.0200	1.000	0	94.5	80	120				
Trichloroethene (TCE)	0.980	0.0200	1.000	0	98.0	80	120				
1,2-Dichloropropane	0.923	0.0200	1.000	0	92.3	80	120				
Bromodichloromethane	1.01	0.0250	1.000	0	101	80	120				
Dibromomethane	0.989	0.0200	1.000	0	98.9	80	120				
cis-1,3-Dichloropropene	0.957	0.0800	1.000	0	95.7	80	120				
Toluene	0.996	0.0300	1.000	0	99.6	80	120				
Trans-1,3-Dichloropropylene	0.877	0.0500	1.000	0	87.7	80	120				
Methyl Isobutyl Ketone (MIBK)	2.39	0.0750	2.500	0	95.8	80	120				
1,1,2-Trichloroethane	0.907	0.0170	1.000	0	90.7	80	120				
1,3-Dichloropropane	0.910	0.0200	1.000	0	91.0	80	120				

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-33562** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/1/2021** RunNo: **69661**
Client ID: **LCSS** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1412025**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.940	0.0400	1.000	0	94.0	80	120				
Dibromochloromethane	0.891	0.0200	1.000	0	89.1	80	120				
1,2-Dibromoethane (EDB)	0.910	0.0100	1.000	0	91.0	80	120				
2-Hexanone (MBK)	2.16	0.0600	2.500	0	86.5	80	120				
Chlorobenzene	0.954	0.0250	1.000	0	95.4	80	120				
1,1,1,2-Tetrachloroethane	0.953	0.0200	1.000	0	95.3	80	120				
Ethylbenzene	1.01	0.0250	1.000	0	101	80	120				
m,p-Xylene	2.01	0.0500	2.000	0	100	80	120				
o-Xylene	1.02	0.0250	1.000	0	102	80	120				
Styrene	1.03	0.0250	1.000	0	103	80	120				
Isopropylbenzene	1.08	0.0300	1.000	0	108	80	120				
Bromoform	0.935	0.0250	1.000	0	93.5	80	120				
1,1,2,2-Tetrachloroethane	0.897	0.0150	1.000	0	89.7	80	120				
n-Propylbenzene	1.03	0.0300	1.000	0	103	80	120				
Bromobenzene	0.949	0.0300	1.000	0	94.9	80	120				
1,3,5-Trimethylbenzene	0.956	0.0250	1.000	0	95.6	80	120				
2-Chlorotoluene	0.956	0.0300	1.000	0	95.6	80	120				
4-Chlorotoluene	0.939	0.0300	1.000	0	93.9	80	120				
tert-Butylbenzene	1.01	0.0300	1.000	0	101	80	120				
1,2,3-Trichloropropane	0.896	0.0250	1.000	0	89.6	80	120				
1,2,4-Trichlorobenzene	0.984	0.0400	1.000	0	98.4	80	120				
sec-Butylbenzene	1.06	0.0300	1.000	0	106	80	120				
4-Isopropyltoluene	0.921	0.0300	1.000	0	92.1	80	120				
1,3-Dichlorobenzene	0.964	0.0350	1.000	0	96.4	80	120				
1,4-Dichlorobenzene	0.980	0.0300	1.000	0	98.0	80	120				
n-Butylbenzene	1.05	0.0400	1.000	0	105	80	120				
1,2-Dichlorobenzene	0.998	0.0300	1.000	0	99.8	80	120				
1,2-Dibromo-3-chloropropane	0.853	0.0600	1.000	0	85.3	80	120				
1,2,4-Trimethylbenzene	0.996	0.0250	1.000	0	99.6	80	120				
Hexachloro-1,3-butadiene	1.00	0.0500	1.000	0	100	80	120				

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-33562** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/1/2021** RunNo: **69661**
Client ID: **LCSS** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1412025**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	0.868	0.100	1.000	0	86.8	80	120				
1,2,3-Trichlorobenzene	1.09	0.0500	1.000	0	109	80	120				
Surr: Dibromofluoromethane	1.33		1.250		106	75.5	120				
Surr: Toluene-d8	1.32		1.250		105	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.31		1.250		104	78.5	120				

NOTES:
S - Outlying spike recovery observed (low bias). Samples will be qualified with a Q.

Sample ID: **MB-33562** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/1/2021** RunNo: **69661**
Client ID: **MBLKS** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1411999**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0500									Q
Chloromethane	ND	0.0800									
Vinyl chloride	ND	0.0250									
Bromomethane	ND	0.150									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.120									
1,1-Dichloroethene	ND	0.100									
Acetone	ND	0.500									
Methylene chloride	ND	0.0150									
trans-1,2-Dichloroethene	ND	0.0300									
Methyl tert-butyl ether (MTBE)	ND	0.0300									
1,1-Dichloroethane	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0250									
(MEK) 2-Butanone	ND	0.450									
Chloroform	ND	0.0250									
1,1,1-Trichloroethane (TCA)	ND	0.0250									
1,1-Dichloropropene	ND	0.0250									
Carbon tetrachloride	ND	0.0750									
1,2-Dichloroethane (EDC)	ND	0.0230									

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-33562** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/1/2021** RunNo: **69661**
Client ID: **MBLKS** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1411999**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0250									
Dibromomethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0800									
Toluene	ND	0.0300									
Trans-1,3-Dichloropropylene	ND	0.0500									
Methyl Isobutyl Ketone (MIBK)	ND	0.0750									
1,1,2-Trichloroethane	ND	0.0170									
1,3-Dichloropropane	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Dibromochloromethane	ND	0.0200									
1,2-Dibromoethane (EDB)	ND	0.0100									
2-Hexanone (MBK)	ND	0.0600									
Chlorobenzene	ND	0.0250									
1,1,1,2-Tetrachloroethane	ND	0.0200									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0250									
Isopropylbenzene	ND	0.0300									
Bromoform	ND	0.0250									
1,1,2,2-Tetrachloroethane	ND	0.0150									
n-Propylbenzene	ND	0.0300									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0250									
2-Chlorotoluene	ND	0.0300									
4-Chlorotoluene	ND	0.0300									
tert-Butylbenzene	ND	0.0300									

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-33562** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/1/2021** RunNo: **69661**
Client ID: **MBLKS** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1411999**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	ND	0.0250									
1,2,4-Trichlorobenzene	ND	0.0400									
sec-Butylbenzene	ND	0.0300									
4-Isopropyltoluene	ND	0.0300									
1,3-Dichlorobenzene	ND	0.0350									
1,4-Dichlorobenzene	ND	0.0300									
n-Butylbenzene	ND	0.0400									
1,2-Dichlorobenzene	ND	0.0300									
1,2-Dibromo-3-chloropropane	ND	0.0600									
1,2,4-Trimethylbenzene	ND	0.0250									
Hexachloro-1,3-butadiene	ND	0.0500									
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.0500									
Surr: Dibromofluoromethane	1.13		1.250		90.6	75.5	119				
Surr: Toluene-d8	1.26		1.250		101	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.29		1.250		103	78.5	118				

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Sample ID: **2108402-002BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69661**
Client ID: **B95-AB-11-5'** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1412002**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0516						0		30	Q
Chloromethane	ND	0.0826						0		30	
Vinyl chloride	ND	0.0258						0		30	
Bromomethane	ND	0.155						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0516						0		30	
Chloroethane	ND	0.124						0		30	
1,1-Dichloroethene	ND	0.103						0		30	
Acetone	ND	0.516						0		30	

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108402-002BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69661**
Client ID: **B95-AB-11-5'** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1412002**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	ND	0.0155						0		30	
trans-1,2-Dichloroethene	ND	0.0310						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0310						0		30	
1,1-Dichloroethane	ND	0.0258						0		30	
cis-1,2-Dichloroethene	ND	0.0258						0		30	
(MEK) 2-Butanone	ND	0.465						0		30	
Chloroform	ND	0.0258						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0258						0		30	
1,1-Dichloropropene	ND	0.0258						0		30	
Carbon tetrachloride	ND	0.0775						0		30	
1,2-Dichloroethane (EDC)	ND	0.0238						0		30	
Benzene	ND	0.0207						0		30	
Trichloroethene (TCE)	ND	0.0207						0		30	
1,2-Dichloropropane	ND	0.0207						0		30	
Bromodichloromethane	ND	0.0258						0		30	
Dibromomethane	ND	0.0207						0		30	
cis-1,3-Dichloropropene	ND	0.0826						0		30	
Toluene	ND	0.0310						0		30	
Trans-1,3-Dichloropropylene	ND	0.0516						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0775						0		30	
1,1,2-Trichloroethane	ND	0.0176						0		30	
1,3-Dichloropropane	ND	0.0207						0		30	
Tetrachloroethene (PCE)	ND	0.0413						0		30	
Dibromochloromethane	ND	0.0207						0		30	
1,2-Dibromoethane (EDB)	ND	0.0103						0		30	
2-Hexanone (MBK)	ND	0.0620						0		30	
Chlorobenzene	ND	0.0258						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0207						0		30	
Ethylbenzene	ND	0.0258						0		30	
m,p-Xylene	ND	0.0516						0		30	

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108402-002BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69661**
Client ID: **B95-AB-11-5'** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1412002**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	ND	0.0258						0		30	
Styrene	ND	0.0258						0		30	
Isopropylbenzene	ND	0.0310						0		30	
Bromoform	ND	0.0258						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0155						0		30	
n-Propylbenzene	ND	0.0310						0		30	
Bromobenzene	ND	0.0310						0		30	
1,3,5-Trimethylbenzene	ND	0.0258						0		30	
2-Chlorotoluene	ND	0.0310						0		30	
4-Chlorotoluene	ND	0.0310						0		30	
tert-Butylbenzene	ND	0.0310						0		30	
1,2,3-Trichloropropane	ND	0.0258						0		30	
1,2,4-Trichlorobenzene	ND	0.0413						0		30	
sec-Butylbenzene	ND	0.0310						0		30	
4-Isopropyltoluene	ND	0.0310						0		30	
1,3-Dichlorobenzene	ND	0.0361						0		30	
1,4-Dichlorobenzene	ND	0.0310						0		30	
n-Butylbenzene	ND	0.0413						0		30	
1,2-Dichlorobenzene	ND	0.0310						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0620						0		30	
1,2,4-Trimethylbenzene	ND	0.0258						0		30	
Hexachloro-1,3-butadiene	ND	0.0516						0		30	
Naphthalene	ND	0.103						0		30	
1,2,3-Trichlorobenzene	ND	0.0516						0		30	
Surr: Dibromofluoromethane	1.18		1.291		91.4	75.5	119		0		
Surr: Toluene-d8	1.32		1.291		102	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.26		1.291		97.2	78.5	118		0		

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108402-007BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69661**
Client ID: **B95-AB-11-25'** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1412005**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0579						0		30	Q
Chloromethane	ND	0.0926						0		30	
Vinyl chloride	ND	0.0289						0		30	
Bromomethane	ND	0.174						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0579						0		30	
Chloroethane	ND	0.139						0		30	
1,1-Dichloroethene	ND	0.116						0		30	
Acetone	ND	0.579						0		30	
Methylene chloride	ND	0.0174						0		30	
trans-1,2-Dichloroethene	ND	0.0347						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0347						0		30	
1,1-Dichloroethane	ND	0.0289						0		30	
cis-1,2-Dichloroethene	ND	0.0289						0		30	
(MEK) 2-Butanone	ND	0.521						0		30	
Chloroform	ND	0.0289						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0289						0		30	
1,1-Dichloropropene	ND	0.0289						0		30	
Carbon tetrachloride	ND	0.0868						0		30	
1,2-Dichloroethane (EDC)	ND	0.0266						0		30	
Benzene	ND	0.0232						0		30	
Trichloroethene (TCE)	ND	0.0232						0		30	
1,2-Dichloropropane	ND	0.0232						0		30	
Bromodichloromethane	ND	0.0289						0		30	
Dibromomethane	ND	0.0232						0		30	
cis-1,3-Dichloropropene	ND	0.0926						0		30	
Toluene	ND	0.0347						0		30	
Trans-1,3-Dichloropropylene	ND	0.0579						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0868						0		30	
1,1,2-Trichloroethane	ND	0.0197						0		30	
1,3-Dichloropropane	ND	0.0232						0		30	

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108402-007BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69661**
Client ID: **B95-AB-11-25'** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1412005**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0463						0		30	
Dibromochloromethane	ND	0.0232						0		30	
1,2-Dibromoethane (EDB)	ND	0.0116						0		30	
2-Hexanone (MBK)	ND	0.0695						0		30	
Chlorobenzene	ND	0.0289						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0232						0		30	
Ethylbenzene	ND	0.0289						0		30	
m,p-Xylene	ND	0.0579						0		30	
o-Xylene	ND	0.0289						0		30	
Styrene	ND	0.0289						0		30	
Isopropylbenzene	ND	0.0347						0		30	
Bromoform	ND	0.0289						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0174						0		30	
n-Propylbenzene	ND	0.0347						0		30	
Bromobenzene	ND	0.0347						0		30	
1,3,5-Trimethylbenzene	ND	0.0289						0		30	
2-Chlorotoluene	ND	0.0347						0		30	
4-Chlorotoluene	ND	0.0347						0		30	
tert-Butylbenzene	ND	0.0347						0		30	
1,2,3-Trichloropropane	ND	0.0289						0		30	
1,2,4-Trichlorobenzene	ND	0.0463						0		30	
sec-Butylbenzene	ND	0.0347						0		30	
4-Isopropyltoluene	ND	0.0347						0		30	
1,3-Dichlorobenzene	ND	0.0405						0		30	
1,4-Dichlorobenzene	ND	0.0347						0		30	
n-Butylbenzene	ND	0.0463						0		30	
1,2-Dichlorobenzene	ND	0.0347						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0695						0		30	
1,2,4-Trimethylbenzene	ND	0.0289						0		30	
Hexachloro-1,3-butadiene	ND	0.0579						0		30	

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108402-007BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69661**
Client ID: **B95-AB-11-25'** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1412005**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.116						0		30	
1,2,3-Trichlorobenzene	ND	0.0579						0		30	
Surr: Dibromofluoromethane	1.33		1.447		91.9	75.5	119		0		
Surr: Toluene-d8	1.46		1.447		101	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.40		1.447		96.7	78.5	118		0		

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Sample ID: **2108402-005BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69661**
Client ID: **B95-AB-11-15'** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1412012**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.492	0.0528	1.056	0	46.6	5.35	148				
Chloromethane	0.723	0.0845	1.056	0	68.4	34.4	134				
Vinyl chloride	0.809	0.0264	1.056	0	76.6	50.3	134				
Bromomethane	0.780	0.158	1.056	0	73.8	40.2	164				
Trichlorofluoromethane (CFC-11)	0.988	0.0528	1.056	0	93.6	54.1	142				
Chloroethane	0.903	0.127	1.056	0	85.5	42.4	148				
1,1-Dichloroethene	1.00	0.106	1.056	0	94.8	62.2	138				
Acetone	2.49	0.528	2.640	0	94.3	56.3	172				
Methylene chloride	0.920	0.0158	1.056	0	87.1	66.3	131				
trans-1,2-Dichloroethene	1.02	0.0317	1.056	0	96.3	70.2	132				
Methyl tert-butyl ether (MTBE)	1.03	0.0317	1.056	0	97.2	64.8	140				
1,1-Dichloroethane	0.999	0.0264	1.056	0	94.6	72	130				
cis-1,2-Dichloroethene	0.996	0.0264	1.056	0	94.3	79.6	125				
(MEK) 2-Butanone	2.44	0.475	2.640	0	92.4	73.1	138				
Chloroform	0.881	0.0264	1.056	0	83.4	77.3	128				
1,1,1-Trichloroethane (TCA)	1.08	0.0264	1.056	0	102	81.2	124				
1,1-Dichloropropene	1.06	0.0264	1.056	0	100	77.9	127				
Carbon tetrachloride	1.04	0.0792	1.056	0	98.4	76.9	126				
1,2-Dichloroethane (EDC)	1.15	0.0243	1.056	0	109	74.1	130				

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108402-005BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69661**
Client ID: **B95-AB-11-15'** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1412012**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.03	0.0211	1.056	0	97.9	75.3	131				
Trichloroethene (TCE)	1.03	0.0211	1.056	0	97.9	78.9	132				
1,2-Dichloropropane	1.01	0.0211	1.056	0	95.2	77	126				
Bromodichloromethane	1.00	0.0264	1.056	0	94.9	75.1	127				
Dibromomethane	0.986	0.0211	1.056	0	93.3	77.6	126				
cis-1,3-Dichloropropene	0.881	0.0845	1.056	0	83.4	74.5	123				
Toluene	0.950	0.0317	1.056	0	89.9	79.2	130				
Trans-1,3-Dichloropropylene	0.871	0.0528	1.056	0	82.4	74.3	124				
Methyl Isobutyl Ketone (MIBK)	2.31	0.0792	2.640	0	87.5	71.8	141				
1,1,2-Trichloroethane	0.919	0.0180	1.056	0	87.0	77.2	127				
1,3-Dichloropropane	0.948	0.0211	1.056	0	89.8	74.1	129				
Tetrachloroethene (PCE)	0.936	0.0422	1.056	0	88.6	77.7	131				
Dibromochloromethane	0.885	0.0211	1.056	0	83.8	69.7	131				
1,2-Dibromoethane (EDB)	0.931	0.0106	1.056	0	88.1	78.1	126				
2-Hexanone (MBK)	2.33	0.0634	2.640	0	88.4	59.3	153				
Chlorobenzene	1.03	0.0264	1.056	0	97.2	84.7	121				
1,1,1,2-Tetrachloroethane	1.01	0.0211	1.056	0	95.5	81.8	123				
Ethylbenzene	1.09	0.0264	1.056	0	103	79.7	133				
m,p-Xylene	2.15	0.0528	2.112	0	102	81.2	125				
o-Xylene	1.02	0.0264	1.056	0	97.0	76.9	130				
Styrene	1.03	0.0264	1.056	0	97.2	86.2	119				
Isopropylbenzene	1.07	0.0317	1.056	0	101	79.4	132				
Bromoform	1.01	0.0264	1.056	0	95.2	69.3	136				
1,1,2,2-Tetrachloroethane	0.895	0.0158	1.056	0	84.8	49.1	149				
n-Propylbenzene	1.28	0.0317	1.056	0	121	77	139				
Bromobenzene	1.04	0.0317	1.056	0	98.5	77.2	129				
1,3,5-Trimethylbenzene	1.15	0.0264	1.056	0	109	76.7	135				
2-Chlorotoluene	1.19	0.0317	1.056	0	113	76.8	135				
4-Chlorotoluene	1.15	0.0317	1.056	0	109	77.4	131				
tert-Butylbenzene	1.08	0.0317	1.056	0	102	76.5	135				

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108402-005BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69661**
Client ID: **B95-AB-11-15'** Batch ID: **33562** Analysis Date: **9/1/2021** SeqNo: **1412012**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichloropropane	1.15	0.0264	1.056	0	109	70.2	132				
1,2,4-Trichlorobenzene	1.05	0.0422	1.056	0	99.4	78.8	129				
sec-Butylbenzene	1.09	0.0317	1.056	0	104	75.7	141				
4-Isopropyltoluene	1.02	0.0317	1.056	0	96.3	75.2	140				
1,3-Dichlorobenzene	1.03	0.0370	1.056	0	97.3	86.3	123				
1,4-Dichlorobenzene	1.05	0.0317	1.056	0	99.2	86.1	123				
n-Butylbenzene	1.07	0.0422	1.056	0	101	79.4	130				
1,2-Dichlorobenzene	1.04	0.0317	1.056	0	98.8	87.8	120				
1,2-Dibromo-3-chloropropane	0.993	0.0634	1.056	0	94.0	69.5	135				
1,2,4-Trimethylbenzene	1.07	0.0264	1.056	0	101	76	137				
Hexachloro-1,3-butadiene	1.02	0.0528	1.056	0	96.5	70.9	137				
Naphthalene	1.01	0.106	1.056	0	96.0	72.3	141				
1,2,3-Trichlorobenzene	1.08	0.0528	1.056	0	102	75.1	133				
Surr: Dibromofluoromethane	1.38		1.320		104	75.5	119				
Surr: Toluene-d8	1.22		1.320		92.4	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.36		1.320		103	78.5	118				

Sample ID: **LCS-33576** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/2/2021** RunNo: **69690**
Client ID: **LCSS** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412904**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.889	0.0500	1.000	0	88.9	80	120				
Chloromethane	0.830	0.0800	1.000	0	83.0	80	120				
Vinyl chloride	0.854	0.0250	1.000	0	85.4	80	120				
Bromomethane	0.893	0.150	1.000	0	89.3	80	120				
Trichlorofluoromethane (CFC-11)	0.926	0.0500	1.000	0	92.6	80	120				
Chloroethane	0.888	0.120	1.000	0	88.8	80	120				
1,1-Dichloroethene	0.928	0.100	1.000	0	92.8	80	120				
Acetone	2.57	0.500	2.500	0	103	80	120				
Methylene chloride	0.984	0.0150	1.000	0	98.4	80	120				

Date: *9/7/2021*

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-33576** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/2/2021** RunNo: **69690**
Client ID: **LCSS** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412904**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	0.895	0.0300	1.000	0	89.5	80	120				
Methyl tert-butyl ether (MTBE)	1.08	0.0300	1.000	0	108	80	120				
1,1-Dichloroethane	1.03	0.0250	1.000	0	103	80	120				
cis-1,2-Dichloroethene	0.942	0.0250	1.000	0	94.2	80	120				
(MEK) 2-Butanone	2.42	0.450	2.500	0	96.9	80	120				
Chloroform	0.938	0.0250	1.000	0	93.8	80	120				
1,1,1-Trichloroethane (TCA)	0.892	0.0250	1.000	0	89.2	80	120				
1,1-Dichloropropene	0.898	0.0250	1.000	0	89.8	80	120				
Carbon tetrachloride	0.851	0.0750	1.000	0	85.1	80	120				
1,2-Dichloroethane (EDC)	1.04	0.0230	1.000	0	104	80	120				
Benzene	0.945	0.0200	1.000	0	94.5	80	120				
Trichloroethene (TCE)	0.921	0.0200	1.000	0	92.1	80	120				
1,2-Dichloropropane	0.979	0.0200	1.000	0	97.9	80	120				
Bromodichloromethane	0.927	0.0250	1.000	0	92.7	80	120				
Dibromomethane	0.964	0.0200	1.000	0	96.4	80	120				
cis-1,3-Dichloropropene	0.937	0.0800	1.000	0	93.7	80	120				
Toluene	0.945	0.0300	1.000	0	94.5	80	120				
Trans-1,3-Dichloropropylene	1.02	0.0500	1.000	0	102	80	120				
Methyl Isobutyl Ketone (MIBK)	2.38	0.0750	2.500	0	95.3	80	120				
1,1,2-Trichloroethane	0.991	0.0170	1.000	0	99.1	80	120				
1,3-Dichloropropane	0.992	0.0200	1.000	0	99.2	80	120				
Tetrachloroethene (PCE)	0.861	0.0400	1.000	0	86.1	80	120				
Dibromochloromethane	0.919	0.0200	1.000	0	91.9	80	120				
1,2-Dibromoethane (EDB)	0.985	0.0100	1.000	0	98.5	80	120				
2-Hexanone (MBK)	2.49	0.0600	2.500	0	99.7	80	120				
Chlorobenzene	0.891	0.0250	1.000	0	89.1	80	120				
1,1,1,2-Tetrachloroethane	0.909	0.0200	1.000	0	90.9	80	120				
Ethylbenzene	0.915	0.0250	1.000	0	91.5	80	120				
m,p-Xylene	1.71	0.0500	2.000	0	85.3	80	120				
o-Xylene	0.827	0.0250	1.000	0	82.7	80	120				

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-33576** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/2/2021** RunNo: **69690**
Client ID: **LCSS** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412904**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	0.861	0.0250	1.000	0	86.1	80	120				
Isopropylbenzene	0.822	0.0300	1.000	0	82.2	80	120				
Bromoform	0.932	0.0250	1.000	0	93.2	80	120				
1,1,2,2-Tetrachloroethane	0.951	0.0150	1.000	0	95.1	80	120				
n-Propylbenzene	0.868	0.0300	1.000	0	86.8	80	120				
Bromobenzene	0.942	0.0300	1.000	0	94.2	80	120				
1,3,5-Trimethylbenzene	0.830	0.0250	1.000	0	83.0	80	120				
2-Chlorotoluene	0.852	0.0300	1.000	0	85.2	80	120				
4-Chlorotoluene	0.858	0.0300	1.000	0	85.8	80	120				
tert-Butylbenzene	0.801	0.0300	1.000	0	80.1	80	120				
1,2,3-Trichloropropane	0.932	0.0250	1.000	0	93.2	80	120				
1,2,4-Trichlorobenzene	0.986	0.0400	1.000	0	98.6	80	120				
sec-Butylbenzene	0.882	0.0300	1.000	0	88.2	80	120				
4-Isopropyltoluene	0.849	0.0300	1.000	0	84.9	80	120				
1,3-Dichlorobenzene	1.01	0.0350	1.000	0	101	80	120				
1,4-Dichlorobenzene	1.05	0.0300	1.000	0	105	80	120				
n-Butylbenzene	0.928	0.0400	1.000	0	92.8	80	120				
1,2-Dichlorobenzene	0.981	0.0300	1.000	0	98.1	80	120				
1,2-Dibromo-3-chloropropane	0.899	0.0600	1.000	0	89.9	80	120				
1,2,4-Trimethylbenzene	0.845	0.0250	1.000	0	84.5	80	120				
Hexachloro-1,3-butadiene	0.857	0.0500	1.000	0	85.7	80	120				
Naphthalene	0.914	0.100	1.000	0	91.4	80	120				
1,2,3-Trichlorobenzene	1.03	0.0500	1.000	0	103	80	120				
Surr: Dibromofluoromethane	1.35		1.250		108	75.5	120				
Surr: Toluene-d8	1.30		1.250		104	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.3	78.5	120				

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-33576** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/2/2021** RunNo: **69690**
Client ID: **MBLKS** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412905**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0500									
Chloromethane	ND	0.0800									
Vinyl chloride	ND	0.0250									
Bromomethane	ND	0.150									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.120									
1,1-Dichloroethene	ND	0.100									
Acetone	ND	0.500									
Methylene chloride	ND	0.0150									
trans-1,2-Dichloroethene	ND	0.0300									
Methyl tert-butyl ether (MTBE)	ND	0.0300									
1,1-Dichloroethane	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0250									
(MEK) 2-Butanone	ND	0.450									
Chloroform	ND	0.0250									
1,1,1-Trichloroethane (TCA)	ND	0.0250									
1,1-Dichloropropene	ND	0.0250									
Carbon tetrachloride	ND	0.0750									
1,2-Dichloroethane (EDC)	ND	0.0230									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0250									
Dibromomethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0800									
Toluene	ND	0.0300									
Trans-1,3-Dichloropropylene	ND	0.0500									
Methyl Isobutyl Ketone (MIBK)	ND	0.0750									
1,1,2-Trichloroethane	ND	0.0170									
1,3-Dichloropropane	ND	0.0200									

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-33576** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/2/2021** RunNo: **69690**
Client ID: **MBLKS** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412905**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0400									
Dibromochloromethane	ND	0.0200									
1,2-Dibromoethane (EDB)	ND	0.0100									
2-Hexanone (MBK)	ND	0.0600									
Chlorobenzene	ND	0.0250									
1,1,1,2-Tetrachloroethane	ND	0.0200									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0250									
Isopropylbenzene	ND	0.0300									
Bromoform	ND	0.0250									
1,1,2,2-Tetrachloroethane	ND	0.0150									
n-Propylbenzene	ND	0.0300									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0250									
2-Chlorotoluene	ND	0.0300									
4-Chlorotoluene	ND	0.0300									
tert-Butylbenzene	ND	0.0300									
1,2,3-Trichloropropane	ND	0.0250									
1,2,4-Trichlorobenzene	ND	0.0400									
sec-Butylbenzene	ND	0.0300									
4-Isopropyltoluene	ND	0.0300									
1,3-Dichlorobenzene	ND	0.0350									
1,4-Dichlorobenzene	ND	0.0300									
n-Butylbenzene	ND	0.0400									
1,2-Dichlorobenzene	ND	0.0300									
1,2-Dibromo-3-chloropropane	ND	0.0600									
1,2,4-Trimethylbenzene	ND	0.0250									
Hexachloro-1,3-butadiene	ND	0.0500									

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-33576** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/2/2021** RunNo: **69690**
Client ID: **MBLKS** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412905**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.0500									
Surr: Dibromofluoromethane	1.16		1.250		92.9	75.5	119				
Surr: Toluene-d8	1.19		1.250		95.4	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.8	78.5	118				

Sample ID: **2108402-050BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69690**
Client ID: **B95-AB-12-15** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412911**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0486						0		30	
Chloromethane	ND	0.0778						0		30	
Vinyl chloride	ND	0.0243						0		30	
Bromomethane	ND	0.146						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0486						0		30	
Chloroethane	ND	0.117						0		30	
1,1-Dichloroethene	ND	0.0972						0		30	
Acetone	ND	0.486						0		30	
Methylene chloride	ND	0.0146						0		30	
trans-1,2-Dichloroethene	ND	0.0292						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0292						0		30	
1,1-Dichloroethane	ND	0.0243						0		30	
cis-1,2-Dichloroethene	ND	0.0243						0		30	
(MEK) 2-Butanone	ND	0.437						0		30	
Chloroform	ND	0.0243						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0243						0		30	
1,1-Dichloropropene	ND	0.0243						0		30	
Carbon tetrachloride	ND	0.0729						0		30	
1,2-Dichloroethane (EDC)	ND	0.0224						0		30	
Benzene	ND	0.0194						0		30	

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108402-050BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69690**
Client ID: **B95-AB-12-15** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412911**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	ND	0.0194						0		30	
1,2-Dichloropropane	ND	0.0194						0		30	
Bromodichloromethane	ND	0.0243						0		30	
Dibromomethane	ND	0.0194						0		30	
cis-1,3-Dichloropropene	ND	0.0778						0		30	
Toluene	ND	0.0292						0		30	
Trans-1,3-Dichloropropylene	ND	0.0486						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0729						0		30	
1,1,2-Trichloroethane	ND	0.0165						0		30	
1,3-Dichloropropane	ND	0.0194						0		30	
Tetrachloroethene (PCE)	ND	0.0389						0		30	
Dibromochloromethane	ND	0.0194						0		30	
1,2-Dibromoethane (EDB)	ND	0.00972						0		30	
2-Hexanone (MBK)	ND	0.0583						0		30	
Chlorobenzene	ND	0.0243						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0194						0		30	
Ethylbenzene	ND	0.0243						0		30	
m,p-Xylene	ND	0.0486						0		30	
o-Xylene	ND	0.0243						0		30	
Styrene	ND	0.0243						0		30	
Isopropylbenzene	ND	0.0292						0		30	
Bromoform	ND	0.0243						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0146						0		30	
n-Propylbenzene	ND	0.0292						0		30	
Bromobenzene	ND	0.0292						0		30	
1,3,5-Trimethylbenzene	ND	0.0243						0		30	
2-Chlorotoluene	ND	0.0292						0		30	
4-Chlorotoluene	ND	0.0292						0		30	
tert-Butylbenzene	ND	0.0292						0		30	
1,2,3-Trichloropropane	ND	0.0243						0		30	

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108402-050BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69690**
Client ID: **B95-AB-12-15** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412911**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.0389						0		30	
sec-Butylbenzene	ND	0.0292						0		30	
4-Isopropyltoluene	ND	0.0292						0		30	
1,3-Dichlorobenzene	ND	0.0340						0		30	
1,4-Dichlorobenzene	ND	0.0292						0		30	
n-Butylbenzene	ND	0.0389						0		30	
1,2-Dichlorobenzene	ND	0.0292						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0583						0		30	
1,2,4-Trimethylbenzene	ND	0.0243						0		30	
Hexachloro-1,3-butadiene	ND	0.0486						0		30	
Naphthalene	ND	0.0972						0		30	
1,2,3-Trichlorobenzene	ND	0.0486						0		30	
Surr: Dibromofluoromethane	1.11		1.215		91.3	75.5	119		0		
Surr: Toluene-d8	1.21		1.215		99.7	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.19		1.215		98.3	78.5	118		0		

Sample ID: **2108402-053BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69690**
Client ID: **B95-AB-12-30** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412918**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.783	0.0685	1.369	0	57.2	5.35	148				
Chloromethane	0.793	0.110	1.369	0	57.9	34.4	134				
Vinyl chloride	1.01	0.0342	1.369	0	73.6	50.3	134				
Bromomethane	0.996	0.205	1.369	0	72.7	40.2	164				
Trichlorofluoromethane (CFC-11)	1.62	0.0685	1.369	0	119	54.1	142				
Chloroethane	1.20	0.164	1.369	0	88.0	42.4	148				
1,1-Dichloroethene	1.57	0.137	1.369	0	115	62.2	138				
Acetone	5.86	0.685	3.423	0	171	56.3	172				
Methylene chloride	1.54	0.0205	1.369	0	112	66.3	131				
trans-1,2-Dichloroethene	1.54	0.0411	1.369	0	112	70.2	132				

Date: *9/7/2021*

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108402-053BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69690**
Client ID: **B95-AB-12-30** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412918**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	1.62	0.0411	1.369	0	118	64.8	140				
1,1-Dichloroethane	1.55	0.0342	1.369	0	113	72	130				
cis-1,2-Dichloroethene	1.55	0.0342	1.369	0	114	79.6	125				
(MEK) 2-Butanone	4.89	0.616	3.423	0	143	73.1	138				S
Chloroform	1.46	0.0342	1.369	0	107	77.3	128				
1,1,1-Trichloroethane (TCA)	1.60	0.0342	1.369	0	117	81.2	124				
1,1-Dichloropropene	1.60	0.0342	1.369	0	117	77.9	127				
Carbon tetrachloride	1.55	0.103	1.369	0	113	76.9	126				
1,2-Dichloroethane (EDC)	1.78	0.0315	1.369	0	130	74.1	130				S
Benzene	1.57	0.0274	1.369	0	115	75.3	131				
Trichloroethene (TCE)	1.49	0.0274	1.369	0	109	78.9	132				
1,2-Dichloropropane	1.52	0.0274	1.369	0	111	77	126				
Bromodichloromethane	1.58	0.0342	1.369	0	115	75.1	127				
Dibromomethane	1.63	0.0274	1.369	0	119	77.6	126				
cis-1,3-Dichloropropene	1.49	0.110	1.369	0	108	74.5	123				
Toluene	1.51	0.0411	1.369	0	110	79.2	130				
Trans-1,3-Dichloropropylene	1.54	0.0685	1.369	0	112	74.3	124				
Methyl Isobutyl Ketone (MIBK)	4.54	0.103	3.423	0	133	71.8	141				
1,1,2-Trichloroethane	1.61	0.0233	1.369	0	118	77.2	127				
1,3-Dichloropropane	1.68	0.0274	1.369	0	122	74.1	129				
Tetrachloroethene (PCE)	1.49	0.0548	1.369	0	109	77.7	131				
Dibromochloromethane	1.54	0.0274	1.369	0	113	69.7	131				
1,2-Dibromoethane (EDB)	1.65	0.0137	1.369	0	120	78.1	126				
2-Hexanone (MBK)	4.97	0.0821	3.423	0	145	59.3	153				
Chlorobenzene	1.52	0.0342	1.369	0	111	84.7	121				
1,1,1,2-Tetrachloroethane	1.54	0.0274	1.369	0	113	81.8	123				
Ethylbenzene	1.59	0.0342	1.369	0	116	79.7	133				
m,p-Xylene	3.10	0.0685	2.738	0	113	81.2	125				
o-Xylene	1.54	0.0342	1.369	0	112	76.9	130				
Styrene	1.56	0.0342	1.369	0	114	86.2	119				

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108402-053BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69690**
Client ID: **B95-AB-12-30** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412918**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	1.57	0.0411	1.369	0	115	79.4	132				
Bromoform	1.65	0.0342	1.369	0	121	69.3	136				
1,1,2,2-Tetrachloroethane	1.79	0.0205	1.369	0	130	49.1	149				
n-Propylbenzene	1.66	0.0411	1.369	0	122	77	139				
Bromobenzene	1.67	0.0411	1.369	0	122	77.2	129				
1,3,5-Trimethylbenzene	1.57	0.0342	1.369	0	115	76.7	135				
2-Chlorotoluene	1.62	0.0411	1.369	0	118	76.8	135				
4-Chlorotoluene	1.59	0.0411	1.369	0	116	77.4	131				
tert-Butylbenzene	1.58	0.0411	1.369	0	115	76.5	135				
1,2,3-Trichloropropane	1.79	0.0342	1.369	0	131	70.2	132				
1,2,4-Trichlorobenzene	1.61	0.0548	1.369	0	117	78.8	129				
sec-Butylbenzene	1.67	0.0411	1.369	0	122	75.7	141				
4-Isopropyltoluene	1.51	0.0411	1.369	0	110	75.2	140				
1,3-Dichlorobenzene	1.55	0.0479	1.369	0	113	86.3	123				
1,4-Dichlorobenzene	1.55	0.0411	1.369	0	113	86.1	123				
n-Butylbenzene	1.61	0.0548	1.369	0	117	79.4	130				
1,2-Dichlorobenzene	1.64	0.0411	1.369	0	120	87.8	120				
1,2-Dibromo-3-chloropropane	1.68	0.0821	1.369	0	122	69.5	135				
1,2,4-Trimethylbenzene	1.60	0.0342	1.369	0	117	76	137				
Hexachloro-1,3-butadiene	1.38	0.0685	1.369	0	101	70.9	137				
Naphthalene	1.66	0.137	1.369	0	121	72.3	141				
1,2,3-Trichlorobenzene	1.80	0.0685	1.369	0	131	75.1	133				
Surr: Dibromofluoromethane	1.78		1.711		104	75.5	119				
Surr: Toluene-d8	1.69		1.711		98.5	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.79		1.711		105	78.5	118				

NOTES:
S - Outlying spike recoveries were associated with this sample.

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2109046-003BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69690**
Client ID: **BATCH** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412922**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0483						0		30	
Chloromethane	ND	0.0773						0		30	
Vinyl chloride	ND	0.0242						0		30	
Bromomethane	ND	0.145						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0483						0		30	
Chloroethane	ND	0.116						0		30	
1,1-Dichloroethene	ND	0.0966						0		30	
Acetone	ND	0.483						0		30	
Methylene chloride	ND	0.0145						0		30	
trans-1,2-Dichloroethene	ND	0.0290						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0290						0		30	
1,1-Dichloroethane	ND	0.0242						0		30	
cis-1,2-Dichloroethene	ND	0.0242						0		30	
(MEK) 2-Butanone	ND	0.435						0		30	
Chloroform	ND	0.0242						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0242						0		30	
1,1-Dichloropropene	ND	0.0242						0		30	
Carbon tetrachloride	ND	0.0725						0		30	
1,2-Dichloroethane (EDC)	ND	0.0222						0		30	
Benzene	ND	0.0193						0		30	
Trichloroethene (TCE)	ND	0.0193						0		30	
1,2-Dichloropropane	ND	0.0193						0		30	
Bromodichloromethane	ND	0.0242						0		30	
Dibromomethane	ND	0.0193						0		30	
cis-1,3-Dichloropropene	ND	0.0773						0		30	
Toluene	ND	0.0290						0		30	
Trans-1,3-Dichloropropylene	ND	0.0483						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0725						0		30	
1,1,2-Trichloroethane	ND	0.0164						0		30	
1,3-Dichloropropane	ND	0.0193						0		30	

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2109046-003BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69690**
Client ID: **BATCH** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412922**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0386						0		30	
Dibromochloromethane	ND	0.0193						0		30	
1,2-Dibromoethane (EDB)	ND	0.00966						0		30	
2-Hexanone (MBK)	ND	0.0580						0		30	
Chlorobenzene	ND	0.0242						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0193						0		30	
Ethylbenzene	ND	0.0242						0		30	
m,p-Xylene	ND	0.0483						0		30	
o-Xylene	ND	0.0242						0		30	
Styrene	ND	0.0242						0		30	
Isopropylbenzene	ND	0.0290						0		30	
Bromoform	ND	0.0242						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0145						0		30	
n-Propylbenzene	ND	0.0290						0		30	
Bromobenzene	ND	0.0290						0		30	
1,3,5-Trimethylbenzene	ND	0.0242						0		30	
2-Chlorotoluene	ND	0.0290						0		30	
4-Chlorotoluene	ND	0.0290						0		30	
tert-Butylbenzene	ND	0.0290						0		30	
1,2,3-Trichloropropane	ND	0.0242						0		30	
1,2,4-Trichlorobenzene	ND	0.0386						0		30	
sec-Butylbenzene	ND	0.0290						0		30	
4-Isopropyltoluene	ND	0.0290						0		30	
1,3-Dichlorobenzene	ND	0.0338						0		30	
1,4-Dichlorobenzene	ND	0.0290						0		30	
n-Butylbenzene	ND	0.0386						0		30	
1,2-Dichlorobenzene	ND	0.0290						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0580						0		30	
1,2,4-Trimethylbenzene	ND	0.0242						0		30	
Hexachloro-1,3-butadiene	ND	0.0483						0		30	

Work Order: 2108402
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2109046-003BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69690**
Client ID: **BATCH** Batch ID: **33576** Analysis Date: **9/2/2021** SeqNo: **1412922**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.0966						0		30	
1,2,3-Trichlorobenzene	ND	0.0483						0		30	
Surr: Dibromofluoromethane	1.12		1.208		92.6	75.5	119		0		
Surr: Toluene-d8	1.20		1.208		99.4	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.15		1.208		95.2	78.5	118		0		

Sample Log-In Check List

Client Name:	**AC**	Work Order Number:	**2108402**
Logged by:	**Gabrielle Coeuille**	Date Received:	**8/27/2021 5:34:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

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 ºC
Sample 1	3.9
Sample 2	3.3

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

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

Date: 8/27/21 Page: 1 of: 10

Laboratory Project No (internal): 2108402

Project Name: Swedish Black 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address: 710 2nd Ave, Ste 550

Collected by: Ashley Provow

City, State, Zip: Seattle, WA 98104

Location:

Telephone: 206-286-7557

Report To (PM): Sam Adlington

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: SAdlington@aspectconsulting.com

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Hold	Comments
1	B95-AB-11-2.5	8/26/21	1135	S	3																	X	
2	B95-AB-11-5'		1138			X		X		X				X									Arsenic only metals
3	B95-AB-11-7.5		1143																			X	
4	B95-AB-11-10		1241																			X	
5	B95-AB-11-15'		1241			X		X		X				X									Arsenic only metals
6	B95-AB-11-20		1258																			X	
7	B95-AB-11-25'		1306			X		X		X				X									Arsenic only metals
8	B95-AB-16-2.5		0943			X		X		X				X									Arsenic only metals
9	B95-AB-16-5		0949																			X	
10	B95-AB-16-7.5		0953																			X	

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Ashley Provow	8/27/21 1734	x	Alaina Bass	8/27/21 1734
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date:
Page: 2 of: 6
Laboratory Project No (internal): 2108402
Special Remarks:
Project Name:
Project No:
Client:
Address:
Collected by:
City, State, Zip:
Location:
Telephone:
Report To (PM):
Sample Disposal: ☐ Return to client ☑ Disposal by lab (after 30 days)
Fax:
PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)				Hold	Comments
1	B95-AB-16-10	8/26/21	0957	S	3																X	
2	B95-AB-16-15 x		1032			X		X		X				X								Arsenic only metals
3	B95-AB-16-20		1036																		X	
4	B95-AB-16-25 x		1044			X		X		X				X								Arsenic only metals
5	B95-AB-15-2.5		1350																		X	
6	B95-AB-15-5		1355																		X	
7	B95-AB-15-7.5 x		1358			X		X		X				X								Arsenic only metals
8	B95-AB-15-10		1402																		X	
9	B95-AB-15-15 x		1408			X		X		X				X								Arsenic only metals
10	B95-AB-15-20 x		1418			X		X		X				X								"

*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

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

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x [signature]	Ashley Provow	8/27/21 1734	x [signature]	Alaina Bajh	8/27/21 1734
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

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

Chain of Custody Record & Laboratory Services Agreement

Date:
Page: 3 of: 6
Laboratory Project No (internal): 2108402
Project Name:
Special Remarks:
Client:
Project No:
Address:
Collected by:
City, State, Zip:
Location:
Telephone:
Report To (PM):
Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)
Fax:
PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Hold	Comments
1	BG5-AB-17-2.5	8/26/21	0811	S	3																	X	
2	BG5-AB-17-5		0817																			X	
3	BG5-AB-17-7.5		0820																			X	
4	BG5-AB-17-10		0822																			X	
5	BG5-AB-17-15		0828																			X	
6	BG5-AB-17-20		0834																			X	
7	BG5-AB-17-25		0841																			X	
8	BG5-AB-14-2.5	8/27/21	0755																			X	
9	BG5-AB-14-5*		0758																			X	
10	BG5-AB-14-7.5*		0801			X		X		X				X									Arsenic only metals

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x [signature]	Ashley Prouw	8/27/21 1734	x [signature]	Alaina Bash	8/27/21 1734
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: | Page: 4 of: 6 | Laboratory Project No (internal): 2108402

Project Name:

Project No:

Collected by:

Location:

Report To (PM):

PM Email:

Client:

Address:

City, State, Zip:

Telephone:

Fax:

Special Remarks:

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Pb-1	Comments
1	B95-AB-14-10	8/27/21	0813	S	3																	X	
2	B95-AB-14-15		0820			X		X		X				X									Arsenic only metals
3	B95-AB-14-20		0826																			X	
4	B95-AB-14-25		0831																			X	
5	B95-AB-14-30		0840																			X	
6	B95-AB-14-35		0850			X		X		X				X									Arsenic only metals
7	B95-AB-14-40		0905																			X	
8	B95-AB-14-45		0925																			X	
9	B95-AB-13-25		1039																			X	
10	B95-AB-13-5		1043																			X	

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

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Chain of Custody Record & Laboratory Services Agreement

Date:
Page: 5 of: 6
Laboratory Project No (internal): 2108402
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1	B95-AB-13-7.5	8/27/21	1043	S	3	x		x		x				x								Arsenic only metals
2	B95-AB-13-10		1053			x		x		x				x								"
3	B95-AB-13-15		1057																		x	
4	B95-AB-13-20		1103			x		x		x				x								Arsenic only metals
5	B95-AB-13-25		1110																		x	
6	B95-AB-12-2.5		1245																		x	
7	B95-AB-12-5		1254																		x	
8	B95-AB-12-7.5		1257			x		x		x				x								Arsenic only metals
9	B95-AB-12-10		1302																		x	
10	B95-AB-12-15		1310			x		x		x				x								Arsenic only metals

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☐ 2 Day (specify)

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x [signature]	Ashley Prowdu	8/27/21 1734	x [signature]	Alaina Bash	8/27/21 1734
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date:
Page: 6 of: 6
Laboratory Project No (internal): 2108402
Special Remarks:
Project Name:
Project No:
Client:
Address:
Collected by:
City, State, Zip:
Location:
Telephone:
Report To (PM):
Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)
Fax:
PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Hold	Comments
1	B9S-AB-12-20	8/27/21	1315	S	3																	X	
2	B9S-AB-12-25	↓	1320	↓	↓																	X	
3	B9J-AB-12-30	↓	1330	↓	↓	X		X		X				X									Arsenic only metals
4	~~B9S-AB-12-35~~																						
5																							
6																							
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

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Ashley Pruvon	Ashley Pruvon	8/27/21 1734	x	Alaina Bash	8/27/21 1734
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Sam Adlington
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Swedish Block 95
Work Order Number: 2108428

September 07, 2021

Attention Sam Adlington:

Fremont Analytical, Inc. received 26 sample(s) on 8/30/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B
Volatile Organic Compounds by EPA Method 8260D

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

Date: *09/07/2021*

CLIENT: Aspect Consulting
Project: Swedish Block 95
Work Order: 2108428

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2108428-001	B95-AB-23-5	08/30/2021 8:16 AM	08/30/2021 4:19 PM
2108428-002	B95-AB-23-10	08/30/2021 8:31 AM	08/30/2021 4:19 PM
2108428-003	B95-AB-23-15	08/30/2021 8:40 AM	08/30/2021 4:19 PM
2108428-004	B95-AB-23-20	08/30/2021 9:07 AM	08/30/2021 4:19 PM
2108428-005	B95-AB-23-25	08/30/2021 9:15 AM	08/30/2021 4:19 PM
2108428-006	B95-AB-23-30	08/30/2021 9:23 AM	08/30/2021 4:19 PM
2108428-007	B95-AB-23-35	08/30/2021 9:28 AM	08/30/2021 4:19 PM
2108428-008	B95-AB-23-40	08/30/2021 9:37 AM	08/30/2021 4:19 PM
2108428-009	B95-AB-23-45	08/30/2021 9:48 AM	08/30/2021 4:19 PM
2108428-010	B95-AB-23-50	08/30/2021 9:56 AM	08/30/2021 4:19 PM
2108428-011	B95-AB-23-55	08/30/2021 10:05 AM	08/30/2021 4:19 PM
2108428-012	B95-AB-23-65	08/30/2021 10:19 AM	08/30/2021 4:19 PM
2108428-013	B95-AB-23-75	08/30/2021 10:33 AM	08/30/2021 4:19 PM
2108428-014	B95-AB-23-85	08/30/2021 10:31 AM	08/30/2021 4:19 PM
2108428-015	B95-AB-23-95	08/30/2021 11:06 AM	08/30/2021 4:19 PM
2108428-016	B95-AB-23-105	08/30/2021 11:21 AM	08/30/2021 4:19 PM
2108428-017	B95-AB-23-110	08/30/2021 11:30 AM	08/30/2021 4:19 PM
2108428-018	B95-AB-10-2.5	08/30/2021 1:55 PM	08/30/2021 4:19 PM
2108428-019	B95-AB-10-5	08/30/2021 2:00 PM	08/30/2021 4:19 PM
2108428-020	B95-AB-10-7.5	08/30/2021 2:03 PM	08/30/2021 4:19 PM
2108428-021	B95-AB-10-10	08/30/2021 2:08 PM	08/30/2021 4:19 PM
2108428-022	B95-AB-10-15	08/30/2021 2:14 PM	08/30/2021 4:19 PM
2108428-023	B95-AB-10-20	08/30/2021 2:20 PM	08/30/2021 4:19 PM
2108428-024	B95-AB-10-25	08/30/2021 2:25 PM	08/30/2021 4:19 PM
2108428-025	B95-AB-10-30	08/30/2021 2:32 PM	08/30/2021 4:19 PM
2108428-026	Trip Blank		08/30/2021 4:19 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2108428**

Date: **9/7/2021**

CLIENT: Aspect Consulting

Project: Swedish Block 95

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

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/30/2021 8:31:00 AM
Project: Swedish Block 95
Lab ID: 2108428-002
Matrix: Soil
Client Sample ID: B95-AB-23-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33571		Analyst: MM
Diesel (Fuel Oil)	ND	56.0		mg/Kg-dry	1	9/2/2021 3:05:48 PM
Heavy Oil	ND	112		mg/Kg-dry	1	9/2/2021 3:05:48 PM
Total Petroleum Hydrocarbons	ND	168		mg/Kg-dry	1	9/2/2021 3:05:48 PM
Surr: 2-Fluorobiphenyl	79.4	50 - 150		%Rec	1	9/2/2021 3:05:48 PM
Surr: o-Terphenyl	88.4	50 - 150		%Rec	1	9/2/2021 3:05:48 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33557		Analyst: SB
Naphthalene	ND	21.2		µg/Kg-dry	1	8/31/2021 3:54:36 PM
2-Methylnaphthalene	ND	21.2		µg/Kg-dry	1	8/31/2021 3:54:36 PM
1-Methylnaphthalene	ND	21.2		µg/Kg-dry	1	8/31/2021 3:54:36 PM
Acenaphthylene	ND	21.2		µg/Kg-dry	1	8/31/2021 3:54:36 PM
Acenaphthene	ND	21.2		µg/Kg-dry	1	8/31/2021 3:54:36 PM
Fluorene	ND	21.2		µg/Kg-dry	1	8/31/2021 3:54:36 PM
Phenanthrene	ND	42.4		µg/Kg-dry	1	8/31/2021 3:54:36 PM
Anthracene	ND	42.4		µg/Kg-dry	1	8/31/2021 3:54:36 PM
Fluoranthene	ND	42.4		µg/Kg-dry	1	8/31/2021 3:54:36 PM
Pyrene	ND	42.4		µg/Kg-dry	1	8/31/2021 3:54:36 PM
Benz(a)anthracene	ND	21.2		µg/Kg-dry	1	8/31/2021 3:54:36 PM
Chrysene	ND	42.4		µg/Kg-dry	1	8/31/2021 3:54:36 PM
Benzo(b)fluoranthene	ND	21.2		µg/Kg-dry	1	8/31/2021 3:54:36 PM
Benzo(k)fluoranthene	ND	21.2		µg/Kg-dry	1	8/31/2021 3:54:36 PM
Benzo(a)pyrene	ND	21.2		µg/Kg-dry	1	8/31/2021 3:54:36 PM
Indeno(1,2,3-cd)pyrene	ND	42.4		µg/Kg-dry	1	8/31/2021 3:54:36 PM
Dibenz(a,h)anthracene	ND	42.4		µg/Kg-dry	1	8/31/2021 3:54:36 PM
Benzo(g,h,i)perylene	ND	21.2		µg/Kg-dry	1	8/31/2021 3:54:36 PM
Surr: 2-Fluorobiphenyl	77.1	27.9 - 129		%Rec	1	8/31/2021 3:54:36 PM
Surr: Terphenyl-d14 (surr)	80.8	39.1 - 145		%Rec	1	8/31/2021 3:54:36 PM
Gasoline by NWTPH-Gx				Batch ID: 33577		Analyst: KT
Gasoline	ND	5.29		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Surr: Toluene-d8	94.6	65 - 135		%Rec	1	9/2/2021 10:48:59 AM
Surr: 4-Bromofluorobenzene	86.0	65 - 135		%Rec	1	9/2/2021 10:48:59 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0529		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Chloromethane	ND	0.0846		mg/Kg-dry	1	9/2/2021 10:48:59 AM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-002
Client Sample ID: **B95-AB-23-10**

Collection Date: 8/30/2021 8:31:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Vinyl chloride	ND	0.0264		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Bromomethane	ND	0.159		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Trichlorofluoromethane (CFC-11)	ND	0.0529		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Chloroethane	ND	0.127		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,1-Dichloroethene	ND	0.106		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Acetone	ND	0.529		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Methylene chloride	ND	0.0159		mg/Kg-dry	1	9/2/2021 10:48:59 AM
trans-1,2-Dichloroethene	ND	0.0317		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Methyl tert-butyl ether (MTBE)	ND	0.0317		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,1-Dichloroethane	ND	0.0264		mg/Kg-dry	1	9/2/2021 10:48:59 AM
cis-1,2-Dichloroethene	ND	0.0264		mg/Kg-dry	1	9/2/2021 10:48:59 AM
(MEK) 2-Butanone	ND	0.476		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Chloroform	ND	0.0264		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,1,1-Trichloroethane (TCA)	ND	0.0264		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,1-Dichloropropene	ND	0.0264		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Carbon tetrachloride	ND	0.0793		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,2-Dichloroethane (EDC)	ND	0.0243		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Benzene	ND	0.0212		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Trichloroethene (TCE)	ND	0.0212		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,2-Dichloropropane	ND	0.0212		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Bromodichloromethane	ND	0.0264		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Dibromomethane	ND	0.0212		mg/Kg-dry	1	9/2/2021 10:48:59 AM
cis-1,3-Dichloropropene	ND	0.0846		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Toluene	ND	0.0317		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Trans-1,3-Dichloropropylene	ND	0.0529		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Methyl Isobutyl Ketone (MIBK)	ND	0.0793		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,1,2-Trichloroethane	ND	0.0180		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,3-Dichloropropane	ND	0.0212		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Tetrachloroethene (PCE)	ND	0.0423		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Dibromochloromethane	ND	0.0212		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,2-Dibromoethane (EDB)	ND	0.0106		mg/Kg-dry	1	9/2/2021 10:48:59 AM
2-Hexanone (MBK)	ND	0.0635		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Chlorobenzene	ND	0.0264		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,1,1,2-Tetrachloroethane	ND	0.0212		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Ethylbenzene	ND	0.0264		mg/Kg-dry	1	9/2/2021 10:48:59 AM
m,p-Xylene	ND	0.0529		mg/Kg-dry	1	9/2/2021 10:48:59 AM
o-Xylene	ND	0.0264		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Styrene	ND	0.0264		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Isopropylbenzene	ND	0.0317		mg/Kg-dry	1	9/2/2021 10:48:59 AM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-002
Client Sample ID: B95-AB-23-10

Collection Date: 8/30/2021 8:31:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Bromoform	ND	0.0264		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,1,2,2-Tetrachloroethane	ND	0.0159		mg/Kg-dry	1	9/2/2021 10:48:59 AM
n-Propylbenzene	ND	0.0317		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Bromobenzene	ND	0.0317		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,3,5-Trimethylbenzene	ND	0.0264		mg/Kg-dry	1	9/2/2021 10:48:59 AM
2-Chlorotoluene	ND	0.0317		mg/Kg-dry	1	9/2/2021 10:48:59 AM
4-Chlorotoluene	ND	0.0317		mg/Kg-dry	1	9/2/2021 10:48:59 AM
tert-Butylbenzene	ND	0.0317		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,2,3-Trichloropropane	ND	0.0264		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,2,4-Trichlorobenzene	ND	0.0423		mg/Kg-dry	1	9/2/2021 10:48:59 AM
sec-Butylbenzene	ND	0.0317		mg/Kg-dry	1	9/2/2021 10:48:59 AM
4-Isopropyltoluene	ND	0.0317		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,3-Dichlorobenzene	ND	0.0370		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,4-Dichlorobenzene	ND	0.0317		mg/Kg-dry	1	9/2/2021 10:48:59 AM
n-Butylbenzene	ND	0.0423		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,2-Dichlorobenzene	ND	0.0317		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,2-Dibromo-3-chloropropane	ND	0.0635		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,2,4-Trimethylbenzene	ND	0.0264		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Hexachloro-1,3-butadiene	ND	0.0529		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Naphthalene	ND	0.106		mg/Kg-dry	1	9/2/2021 10:48:59 AM
1,2,3-Trichlorobenzene	ND	0.0529		mg/Kg-dry	1	9/2/2021 10:48:59 AM
Surr: Dibromofluoromethane	99.3	75.5 - 119		%Rec	1	9/2/2021 10:48:59 AM
Surr: Toluene-d8	96.8	82.4 - 115		%Rec	1	9/2/2021 10:48:59 AM
Surr: 1-Bromo-4-fluorobenzene	86.7	78.5 - 118		%Rec	1	9/2/2021 10:48:59 AM
Total Metals by EPA Method 6020B				Batch ID: 33564		Analyst: EH
Arsenic	3.77	0.0941		mg/Kg-dry	1	9/3/2021 6:29:00 PM
Sample Moisture (Percent Moisture)				Batch ID: R69599		Analyst: ALB
Percent Moisture	10.2	0.500		wt%	1	8/31/2021 10:34:37 AM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/30/2021 8:40:00 AM
Project: Swedish Block 95
Lab ID: 2108428-003
Matrix: Soil
Client Sample ID: B95-AB-23-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33571		Analyst: MM
Diesel (Fuel Oil)	ND	50.0		mg/Kg-dry	1	9/2/2021 3:55:07 PM
Heavy Oil	ND	100		mg/Kg-dry	1	9/2/2021 3:55:07 PM
Total Petroleum Hydrocarbons	ND	150		mg/Kg-dry	1	9/2/2021 3:55:07 PM
Surr: 2-Fluorobiphenyl	82.4	50 - 150		%Rec	1	9/2/2021 3:55:07 PM
Surr: o-Terphenyl	90.8	50 - 150		%Rec	1	9/2/2021 3:55:07 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33557		Analyst: SB
Naphthalene	ND	19.4		µg/Kg-dry	1	8/31/2021 4:16:06 PM
2-Methylnaphthalene	ND	19.4		µg/Kg-dry	1	8/31/2021 4:16:06 PM
1-Methylnaphthalene	ND	19.4		µg/Kg-dry	1	8/31/2021 4:16:06 PM
Acenaphthylene	ND	19.4		µg/Kg-dry	1	8/31/2021 4:16:06 PM
Acenaphthene	ND	19.4		µg/Kg-dry	1	8/31/2021 4:16:06 PM
Fluorene	ND	19.4		µg/Kg-dry	1	8/31/2021 4:16:06 PM
Phenanthrene	ND	38.8		µg/Kg-dry	1	8/31/2021 4:16:06 PM
Anthracene	ND	38.8		µg/Kg-dry	1	8/31/2021 4:16:06 PM
Fluoranthene	ND	38.8		µg/Kg-dry	1	8/31/2021 4:16:06 PM
Pyrene	ND	38.8		µg/Kg-dry	1	8/31/2021 4:16:06 PM
Benz(a)anthracene	ND	19.4		µg/Kg-dry	1	8/31/2021 4:16:06 PM
Chrysene	ND	38.8		µg/Kg-dry	1	8/31/2021 4:16:06 PM
Benzo(b)fluoranthene	ND	19.4		µg/Kg-dry	1	8/31/2021 4:16:06 PM
Benzo(k)fluoranthene	ND	19.4		µg/Kg-dry	1	8/31/2021 4:16:06 PM
Benzo(a)pyrene	ND	19.4		µg/Kg-dry	1	8/31/2021 4:16:06 PM
Indeno(1,2,3-cd)pyrene	ND	38.8		µg/Kg-dry	1	8/31/2021 4:16:06 PM
Dibenz(a,h)anthracene	ND	38.8		µg/Kg-dry	1	8/31/2021 4:16:06 PM
Benzo(g,h,i)perylene	ND	19.4		µg/Kg-dry	1	8/31/2021 4:16:06 PM
Surr: 2-Fluorobiphenyl	81.5	27.9 - 129		%Rec	1	8/31/2021 4:16:06 PM
Surr: Terphenyl-d14 (surr)	87.9	39.1 - 145		%Rec	1	8/31/2021 4:16:06 PM
Gasoline by NWTPH-Gx				Batch ID: 33577		Analyst: KT
Gasoline	ND	5.99		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Surr: Toluene-d8	96.3	65 - 135		%Rec	1	9/2/2021 12:10:07 PM
Surr: 4-Bromofluorobenzene	88.2	65 - 135		%Rec	1	9/2/2021 12:10:07 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0599		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Chloromethane	ND	0.0958		mg/Kg-dry	1	9/2/2021 12:10:07 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-003
Client Sample ID: **B95-AB-23-15**

Collection Date: 8/30/2021 8:40:00 AM
Matrix: Soil

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33577 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0299		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Bromomethane	ND	0.180		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Trichlorofluoromethane (CFC-11)	ND	0.0599		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Chloroethane	ND	0.144		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,1-Dichloroethene	ND	0.120		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Acetone	ND	0.599		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Methylene chloride	ND	0.0180		mg/Kg-dry	1	9/2/2021 12:10:07 PM
trans-1,2-Dichloroethene	ND	0.0359		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Methyl tert-butyl ether (MTBE)	ND	0.0359		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,1-Dichloroethane	ND	0.0299		mg/Kg-dry	1	9/2/2021 12:10:07 PM
cis-1,2-Dichloroethene	ND	0.0299		mg/Kg-dry	1	9/2/2021 12:10:07 PM
(MEK) 2-Butanone	ND	0.539		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Chloroform	ND	0.0299		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,1,1-Trichloroethane (TCA)	ND	0.0299		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,1-Dichloropropene	ND	0.0299		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Carbon tetrachloride	ND	0.0898		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,2-Dichloroethane (EDC)	ND	0.0275		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Benzene	ND	0.0240		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Trichloroethene (TCE)	ND	0.0240		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,2-Dichloropropane	ND	0.0240		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Bromodichloromethane	ND	0.0299		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Dibromomethane	ND	0.0240		mg/Kg-dry	1	9/2/2021 12:10:07 PM
cis-1,3-Dichloropropene	ND	0.0958		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Toluene	ND	0.0359		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Trans-1,3-Dichloropropylene	ND	0.0599		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0898		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,1,2-Trichloroethane	ND	0.0204		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,3-Dichloropropane	ND	0.0240		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Tetrachloroethene (PCE)	ND	0.0479		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Dibromochloromethane	ND	0.0240		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,2-Dibromoethane (EDB)	ND	0.0120		mg/Kg-dry	1	9/2/2021 12:10:07 PM
2-Hexanone (MBK)	ND	0.0719		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Chlorobenzene	ND	0.0299		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,1,1,2-Tetrachloroethane	ND	0.0240		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Ethylbenzene	ND	0.0299		mg/Kg-dry	1	9/2/2021 12:10:07 PM
m,p-Xylene	ND	0.0599		mg/Kg-dry	1	9/2/2021 12:10:07 PM
o-Xylene	ND	0.0299		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Styrene	ND	0.0299		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Isopropylbenzene	ND	0.0359		mg/Kg-dry	1	9/2/2021 12:10:07 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/30/2021 8:40:00 AM
Project: Swedish Block 95
Lab ID: 2108428-003
Matrix: Soil
Client Sample ID: B95-AB-23-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Bromoform	ND	0.0299		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,1,2,2-Tetrachloroethane	ND	0.0180		mg/Kg-dry	1	9/2/2021 12:10:07 PM
n-Propylbenzene	ND	0.0359		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Bromobenzene	ND	0.0359		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,3,5-Trimethylbenzene	ND	0.0299		mg/Kg-dry	1	9/2/2021 12:10:07 PM
2-Chlorotoluene	ND	0.0359		mg/Kg-dry	1	9/2/2021 12:10:07 PM
4-Chlorotoluene	ND	0.0359		mg/Kg-dry	1	9/2/2021 12:10:07 PM
tert-Butylbenzene	ND	0.0359		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,2,3-Trichloropropane	ND	0.0299		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,2,4-Trichlorobenzene	ND	0.0479		mg/Kg-dry	1	9/2/2021 12:10:07 PM
sec-Butylbenzene	ND	0.0359		mg/Kg-dry	1	9/2/2021 12:10:07 PM
4-Isopropyltoluene	ND	0.0359		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,3-Dichlorobenzene	ND	0.0419		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,4-Dichlorobenzene	ND	0.0359		mg/Kg-dry	1	9/2/2021 12:10:07 PM
n-Butylbenzene	ND	0.0479		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,2-Dichlorobenzene	ND	0.0359		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,2-Dibromo-3-chloropropane	ND	0.0719		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,2,4-Trimethylbenzene	ND	0.0299		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Hexachloro-1,3-butadiene	ND	0.0599		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Naphthalene	ND	0.120		mg/Kg-dry	1	9/2/2021 12:10:07 PM
1,2,3-Trichlorobenzene	ND	0.0599		mg/Kg-dry	1	9/2/2021 12:10:07 PM
Surr: Dibromofluoromethane	97.6	75.5 - 119		%Rec	1	9/2/2021 12:10:07 PM
Surr: Toluene-d8	96.9	82.4 - 115		%Rec	1	9/2/2021 12:10:07 PM
Surr: 1-Bromo-4-fluorobenzene	88.8	78.5 - 118		%Rec	1	9/2/2021 12:10:07 PM
Total Metals by EPA Method 6020B				Batch ID: 33564		Analyst: EH
Arsenic	3.32	0.103		mg/Kg-dry	1	9/3/2021 6:34:34 PM
Sample Moisture (Percent Moisture)				Batch ID: R69599		Analyst: ALB
Percent Moisture	8.69	0.500		wt%	1	8/31/2021 10:34:37 AM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/30/2021 9:15:00 AM
Project: Swedish Block 95
Lab ID: 2108428-005
Matrix: Soil
Client Sample ID: B95-AB-23-25

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33571		Analyst: MM
Diesel (Fuel Oil)	ND	56.6		mg/Kg-dry	1	9/2/2021 4:07:57 PM
Heavy Oil	ND	113		mg/Kg-dry	1	9/2/2021 4:07:57 PM
Total Petroleum Hydrocarbons	ND	170		mg/Kg-dry	1	9/2/2021 4:07:57 PM
Surr: 2-Fluorobiphenyl	69.0	50 - 150		%Rec	1	9/2/2021 4:07:57 PM
Surr: o-Terphenyl	74.7	50 - 150		%Rec	1	9/2/2021 4:07:57 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33557		Analyst: SB
Naphthalene	ND	23.2		µg/Kg-dry	1	8/31/2021 4:37:34 PM
2-Methylnaphthalene	ND	23.2		µg/Kg-dry	1	8/31/2021 4:37:34 PM
1-Methylnaphthalene	ND	23.2		µg/Kg-dry	1	8/31/2021 4:37:34 PM
Acenaphthylene	ND	23.2		µg/Kg-dry	1	8/31/2021 4:37:34 PM
Acenaphthene	ND	23.2		µg/Kg-dry	1	8/31/2021 4:37:34 PM
Fluorene	ND	23.2		µg/Kg-dry	1	8/31/2021 4:37:34 PM
Phenanthrene	ND	46.3		µg/Kg-dry	1	8/31/2021 4:37:34 PM
Anthracene	ND	46.3		µg/Kg-dry	1	8/31/2021 4:37:34 PM
Fluoranthene	ND	46.3		µg/Kg-dry	1	8/31/2021 4:37:34 PM
Pyrene	ND	46.3		µg/Kg-dry	1	8/31/2021 4:37:34 PM
Benz(a)anthracene	ND	23.2		µg/Kg-dry	1	8/31/2021 4:37:34 PM
Chrysene	ND	46.3		µg/Kg-dry	1	8/31/2021 4:37:34 PM
Benzo(b)fluoranthene	ND	23.2		µg/Kg-dry	1	8/31/2021 4:37:34 PM
Benzo(k)fluoranthene	ND	23.2		µg/Kg-dry	1	8/31/2021 4:37:34 PM
Benzo(a)pyrene	ND	23.2		µg/Kg-dry	1	8/31/2021 4:37:34 PM
Indeno(1,2,3-cd)pyrene	ND	46.3		µg/Kg-dry	1	8/31/2021 4:37:34 PM
Dibenz(a,h)anthracene	ND	46.3		µg/Kg-dry	1	8/31/2021 4:37:34 PM
Benzo(g,h,i)perylene	ND	23.2		µg/Kg-dry	1	8/31/2021 4:37:34 PM
Surr: 2-Fluorobiphenyl	76.6	27.9 - 129		%Rec	1	8/31/2021 4:37:34 PM
Surr: Terphenyl-d14 (surr)	80.3	39.1 - 145		%Rec	1	8/31/2021 4:37:34 PM
Gasoline by NWTPH-Gx				Batch ID: 33577		Analyst: KT
Gasoline	ND	6.45		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Surr: Toluene-d8	95.2	65 - 135		%Rec	1	9/2/2021 12:40:16 PM
Surr: 4-Bromofluorobenzene	88.1	65 - 135		%Rec	1	9/2/2021 12:40:16 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0645		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Chloromethane	ND	0.103		mg/Kg-dry	1	9/2/2021 12:40:16 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-005
Client Sample ID: **B95-AB-23-25**

Collection Date: 8/30/2021 9:15:00 AM
Matrix: Soil

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33577 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0323		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Bromomethane	ND	0.194		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Trichlorofluoromethane (CFC-11)	ND	0.0645		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Chloroethane	ND	0.155		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,1-Dichloroethene	ND	0.129		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Acetone	ND	0.645		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Methylene chloride	ND	0.0194		mg/Kg-dry	1	9/2/2021 12:40:16 PM
trans-1,2-Dichloroethene	ND	0.0387		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Methyl tert-butyl ether (MTBE)	ND	0.0387		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,1-Dichloroethane	ND	0.0323		mg/Kg-dry	1	9/2/2021 12:40:16 PM
cis-1,2-Dichloroethene	ND	0.0323		mg/Kg-dry	1	9/2/2021 12:40:16 PM
(MEK) 2-Butanone	ND	0.581		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Chloroform	ND	0.0323		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,1,1-Trichloroethane (TCA)	ND	0.0323		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,1-Dichloropropene	ND	0.0323		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Carbon tetrachloride	ND	0.0968		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,2-Dichloroethane (EDC)	ND	0.0297		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Benzene	ND	0.0258		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Trichloroethene (TCE)	ND	0.0258		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,2-Dichloropropane	ND	0.0258		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Bromodichloromethane	ND	0.0323		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Dibromomethane	ND	0.0258		mg/Kg-dry	1	9/2/2021 12:40:16 PM
cis-1,3-Dichloropropene	ND	0.103		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Toluene	ND	0.0387		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Trans-1,3-Dichloropropylene	ND	0.0645		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0968		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,1,2-Trichloroethane	ND	0.0219		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,3-Dichloropropane	ND	0.0258		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Tetrachloroethene (PCE)	ND	0.0516		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Dibromochloromethane	ND	0.0258		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,2-Dibromoethane (EDB)	ND	0.0129		mg/Kg-dry	1	9/2/2021 12:40:16 PM
2-Hexanone (MBK)	ND	0.0774		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Chlorobenzene	ND	0.0323		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,1,1,2-Tetrachloroethane	ND	0.0258		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Ethylbenzene	ND	0.0323		mg/Kg-dry	1	9/2/2021 12:40:16 PM
m,p-Xylene	ND	0.0645		mg/Kg-dry	1	9/2/2021 12:40:16 PM
o-Xylene	ND	0.0323		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Styrene	ND	0.0323		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Isopropylbenzene	ND	0.0387		mg/Kg-dry	1	9/2/2021 12:40:16 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-005
Client Sample ID: B95-AB-23-25

Collection Date: 8/30/2021 9:15:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Bromoform	ND	0.0323		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,1,2,2-Tetrachloroethane	ND	0.0194		mg/Kg-dry	1	9/2/2021 12:40:16 PM
n-Propylbenzene	ND	0.0387		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Bromobenzene	ND	0.0387		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,3,5-Trimethylbenzene	ND	0.0323		mg/Kg-dry	1	9/2/2021 12:40:16 PM
2-Chlorotoluene	ND	0.0387		mg/Kg-dry	1	9/2/2021 12:40:16 PM
4-Chlorotoluene	ND	0.0387		mg/Kg-dry	1	9/2/2021 12:40:16 PM
tert-Butylbenzene	ND	0.0387		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,2,3-Trichloropropane	ND	0.0323		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,2,4-Trichlorobenzene	ND	0.0516		mg/Kg-dry	1	9/2/2021 12:40:16 PM
sec-Butylbenzene	ND	0.0387		mg/Kg-dry	1	9/2/2021 12:40:16 PM
4-Isopropyltoluene	ND	0.0387		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,3-Dichlorobenzene	ND	0.0452		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,4-Dichlorobenzene	ND	0.0387		mg/Kg-dry	1	9/2/2021 12:40:16 PM
n-Butylbenzene	ND	0.0516		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,2-Dichlorobenzene	ND	0.0387		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,2-Dibromo-3-chloropropane	ND	0.0774		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,2,4-Trimethylbenzene	ND	0.0323		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Hexachloro-1,3-butadiene	ND	0.0645		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Naphthalene	ND	0.129		mg/Kg-dry	1	9/2/2021 12:40:16 PM
1,2,3-Trichlorobenzene	ND	0.0645		mg/Kg-dry	1	9/2/2021 12:40:16 PM
Surr: Dibromofluoromethane	101	75.5 - 119		%Rec	1	9/2/2021 12:40:16 PM
Surr: Toluene-d8	98.6	82.4 - 115		%Rec	1	9/2/2021 12:40:16 PM
Surr: 1-Bromo-4-fluorobenzene	88.5	78.5 - 118		%Rec	1	9/2/2021 12:40:16 PM
Total Metals by EPA Method 6020B				Batch ID: 33564		Analyst: EH
Arsenic	2.76	0.0994		mg/Kg-dry	1	9/3/2021 6:40:07 PM
Sample Moisture (Percent Moisture)				Batch ID: R69599		Analyst: ALB
Percent Moisture	13.8	0.500		wt%	1	8/31/2021 10:34:37 AM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/30/2021 9:23:00 AM
Project: Swedish Block 95
Lab ID: 2108428-006
Matrix: Soil
Client Sample ID: B95-AB-23-30

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33571		Analyst: MM
Diesel (Fuel Oil)	ND	53.8		mg/Kg-dry	1	9/2/2021 4:20:47 PM
Heavy Oil	ND	108		mg/Kg-dry	1	9/2/2021 4:20:47 PM
Total Petroleum Hydrocarbons	ND	161		mg/Kg-dry	1	9/2/2021 4:20:47 PM
Surr: 2-Fluorobiphenyl	82.2	50 - 150		%Rec	1	9/2/2021 4:20:47 PM
Surr: o-Terphenyl	89.4	50 - 150		%Rec	1	9/2/2021 4:20:47 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33557		Analyst: SB
Naphthalene	ND	21.8		µg/Kg-dry	1	8/31/2021 4:59:05 PM
2-Methylnaphthalene	ND	21.8		µg/Kg-dry	1	8/31/2021 4:59:05 PM
1-Methylnaphthalene	ND	21.8		µg/Kg-dry	1	8/31/2021 4:59:05 PM
Acenaphthylene	ND	21.8		µg/Kg-dry	1	8/31/2021 4:59:05 PM
Acenaphthene	ND	21.8		µg/Kg-dry	1	8/31/2021 4:59:05 PM
Fluorene	ND	21.8		µg/Kg-dry	1	8/31/2021 4:59:05 PM
Phenanthrene	ND	43.6		µg/Kg-dry	1	8/31/2021 4:59:05 PM
Anthracene	ND	43.6		µg/Kg-dry	1	8/31/2021 4:59:05 PM
Fluoranthene	ND	43.6		µg/Kg-dry	1	8/31/2021 4:59:05 PM
Pyrene	ND	43.6		µg/Kg-dry	1	8/31/2021 4:59:05 PM
Benz(a)anthracene	ND	21.8		µg/Kg-dry	1	8/31/2021 4:59:05 PM
Chrysene	ND	43.6		µg/Kg-dry	1	8/31/2021 4:59:05 PM
Benzo(b)fluoranthene	ND	21.8		µg/Kg-dry	1	8/31/2021 4:59:05 PM
Benzo(k)fluoranthene	ND	21.8		µg/Kg-dry	1	8/31/2021 4:59:05 PM
Benzo(a)pyrene	ND	21.8		µg/Kg-dry	1	8/31/2021 4:59:05 PM
Indeno(1,2,3-cd)pyrene	ND	43.6		µg/Kg-dry	1	8/31/2021 4:59:05 PM
Dibenz(a,h)anthracene	ND	43.6		µg/Kg-dry	1	8/31/2021 4:59:05 PM
Benzo(g,h,i)perylene	ND	21.8		µg/Kg-dry	1	8/31/2021 4:59:05 PM
Surr: 2-Fluorobiphenyl	73.1	27.9 - 129		%Rec	1	8/31/2021 4:59:05 PM
Surr: Terphenyl-d14 (surr)	75.6	39.1 - 145		%Rec	1	8/31/2021 4:59:05 PM
Gasoline by NWTPH-Gx				Batch ID: 33577		Analyst: KT
Gasoline	ND	5.77		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Surr: Toluene-d8	93.8	65 - 135		%Rec	1	9/2/2021 1:40:30 PM
Surr: 4-Bromofluorobenzene	87.9	65 - 135		%Rec	1	9/2/2021 1:40:30 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0577		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Chloromethane	ND	0.0923		mg/Kg-dry	1	9/2/2021 1:40:30 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-006
Client Sample ID: **B95-AB-23-30**

Collection Date: 8/30/2021 9:23:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Vinyl chloride	ND	0.0289		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Bromomethane	ND	0.173		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Trichlorofluoromethane (CFC-11)	ND	0.0577		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Chloroethane	ND	0.139		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,1-Dichloroethene	ND	0.115		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Acetone	ND	0.577		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Methylene chloride	ND	0.0173		mg/Kg-dry	1	9/2/2021 1:40:30 PM
trans-1,2-Dichloroethene	ND	0.0346		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Methyl tert-butyl ether (MTBE)	ND	0.0346		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,1-Dichloroethane	ND	0.0289		mg/Kg-dry	1	9/2/2021 1:40:30 PM
cis-1,2-Dichloroethene	ND	0.0289		mg/Kg-dry	1	9/2/2021 1:40:30 PM
(MEK) 2-Butanone	ND	0.519		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Chloroform	ND	0.0289		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,1,1-Trichloroethane (TCA)	ND	0.0289		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,1-Dichloropropene	ND	0.0289		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Carbon tetrachloride	ND	0.0866		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,2-Dichloroethane (EDC)	ND	0.0266		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Benzene	ND	0.0231		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Trichloroethene (TCE)	ND	0.0231		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,2-Dichloropropane	ND	0.0231		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Bromodichloromethane	ND	0.0289		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Dibromomethane	ND	0.0231		mg/Kg-dry	1	9/2/2021 1:40:30 PM
cis-1,3-Dichloropropene	ND	0.0923		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Toluene	ND	0.0346		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Trans-1,3-Dichloropropylene	ND	0.0577		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0866		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,1,2-Trichloroethane	ND	0.0196		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,3-Dichloropropane	ND	0.0231		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Tetrachloroethene (PCE)	ND	0.0462		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Dibromochloromethane	ND	0.0231		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,2-Dibromoethane (EDB)	ND	0.0115		mg/Kg-dry	1	9/2/2021 1:40:30 PM
2-Hexanone (MBK)	ND	0.0693		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Chlorobenzene	ND	0.0289		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,1,1,2-Tetrachloroethane	ND	0.0231		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Ethylbenzene	ND	0.0289		mg/Kg-dry	1	9/2/2021 1:40:30 PM
m,p-Xylene	ND	0.0577		mg/Kg-dry	1	9/2/2021 1:40:30 PM
o-Xylene	ND	0.0289		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Styrene	ND	0.0289		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Isopropylbenzene	ND	0.0346		mg/Kg-dry	1	9/2/2021 1:40:30 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/30/2021 9:23:00 AM
Project: Swedish Block 95
Lab ID: 2108428-006
Matrix: Soil
Client Sample ID: B95-AB-23-30

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Bromoform	ND	0.0289		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,1,2,2-Tetrachloroethane	ND	0.0173		mg/Kg-dry	1	9/2/2021 1:40:30 PM
n-Propylbenzene	ND	0.0346		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Bromobenzene	ND	0.0346		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,3,5-Trimethylbenzene	ND	0.0289		mg/Kg-dry	1	9/2/2021 1:40:30 PM
2-Chlorotoluene	ND	0.0346		mg/Kg-dry	1	9/2/2021 1:40:30 PM
4-Chlorotoluene	ND	0.0346		mg/Kg-dry	1	9/2/2021 1:40:30 PM
tert-Butylbenzene	ND	0.0346		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,2,3-Trichloropropane	ND	0.0289		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,2,4-Trichlorobenzene	ND	0.0462		mg/Kg-dry	1	9/2/2021 1:40:30 PM
sec-Butylbenzene	ND	0.0346		mg/Kg-dry	1	9/2/2021 1:40:30 PM
4-Isopropyltoluene	ND	0.0346		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,3-Dichlorobenzene	ND	0.0404		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,4-Dichlorobenzene	ND	0.0346		mg/Kg-dry	1	9/2/2021 1:40:30 PM
n-Butylbenzene	ND	0.0462		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,2-Dichlorobenzene	ND	0.0346		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,2-Dibromo-3-chloropropane	ND	0.0693		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,2,4-Trimethylbenzene	ND	0.0289		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Hexachloro-1,3-butadiene	ND	0.0577		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Naphthalene	ND	0.115		mg/Kg-dry	1	9/2/2021 1:40:30 PM
1,2,3-Trichlorobenzene	ND	0.0577		mg/Kg-dry	1	9/2/2021 1:40:30 PM
Surr: Dibromofluoromethane	103	75.5 - 119		%Rec	1	9/2/2021 1:40:30 PM
Surr: Toluene-d8	97.8	82.4 - 115		%Rec	1	9/2/2021 1:40:30 PM
Surr: 1-Bromo-4-fluorobenzene	88.6	78.5 - 118		%Rec	1	9/2/2021 1:40:30 PM
Total Metals by EPA Method 6020B				Batch ID: 33564		Analyst: EH
Arsenic	3.24	0.108		mg/Kg-dry	1	9/3/2021 6:45:41 PM
Sample Moisture (Percent Moisture)				Batch ID: R69599		Analyst: ALB
Percent Moisture	13.1	0.500		wt%	1	8/31/2021 10:34:37 AM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/30/2021 9:37:00 AM
Project: Swedish Block 95
Lab ID: 2108428-008
Matrix: Soil
Client Sample ID: B95-AB-23-40

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33571		Analyst: MM
Diesel (Fuel Oil)	ND	47.0		mg/Kg-dry	1	9/2/2021 4:33:37 PM
Heavy Oil	ND	94.0		mg/Kg-dry	1	9/2/2021 4:33:37 PM
Total Petroleum Hydrocarbons	ND	141		mg/Kg-dry	1	9/2/2021 4:33:37 PM
Surr: 2-Fluorobiphenyl	81.5	50 - 150		%Rec	1	9/2/2021 4:33:37 PM
Surr: o-Terphenyl	86.7	50 - 150		%Rec	1	9/2/2021 4:33:37 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33557		Analyst: SB
Naphthalene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:20:33 PM
2-Methylnaphthalene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:20:33 PM
1-Methylnaphthalene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:20:33 PM
Acenaphthylene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:20:33 PM
Acenaphthene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:20:33 PM
Fluorene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:20:33 PM
Phenanthrene	ND	39.3		µg/Kg-dry	1	8/31/2021 5:20:33 PM
Anthracene	ND	39.3		µg/Kg-dry	1	8/31/2021 5:20:33 PM
Fluoranthene	ND	39.3		µg/Kg-dry	1	8/31/2021 5:20:33 PM
Pyrene	ND	39.3		µg/Kg-dry	1	8/31/2021 5:20:33 PM
Benz(a)anthracene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:20:33 PM
Chrysene	ND	39.3		µg/Kg-dry	1	8/31/2021 5:20:33 PM
Benzo(b)fluoranthene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:20:33 PM
Benzo(k)fluoranthene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:20:33 PM
Benzo(a)pyrene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:20:33 PM
Indeno(1,2,3-cd)pyrene	ND	39.3		µg/Kg-dry	1	8/31/2021 5:20:33 PM
Dibenz(a,h)anthracene	ND	39.3		µg/Kg-dry	1	8/31/2021 5:20:33 PM
Benzo(g,h,i)perylene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:20:33 PM
Surr: 2-Fluorobiphenyl	76.0	27.9 - 129		%Rec	1	8/31/2021 5:20:33 PM
Surr: Terphenyl-d14 (surr)	81.4	39.1 - 145		%Rec	1	8/31/2021 5:20:33 PM
Gasoline by NWTPH-Gx				Batch ID: 33577		Analyst: KT
Gasoline	ND	5.25		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Surr: Toluene-d8	95.2	65 - 135		%Rec	1	9/2/2021 2:10:36 PM
Surr: 4-Bromofluorobenzene	87.6	65 - 135		%Rec	1	9/2/2021 2:10:36 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0525		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Chloromethane	ND	0.0840		mg/Kg-dry	1	9/2/2021 2:10:36 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-008
Client Sample ID: **B95-AB-23-40**

Collection Date: 8/30/2021 9:37:00 AM
Matrix: Soil

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33577 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0262		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Bromomethane	ND	0.157		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Trichlorofluoromethane (CFC-11)	ND	0.0525		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Chloroethane	ND	0.126		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,1-Dichloroethene	ND	0.105		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Acetone	ND	0.525		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Methylene chloride	ND	0.0157		mg/Kg-dry	1	9/2/2021 2:10:36 PM
trans-1,2-Dichloroethene	ND	0.0315		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Methyl tert-butyl ether (MTBE)	ND	0.0315		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,1-Dichloroethane	ND	0.0262		mg/Kg-dry	1	9/2/2021 2:10:36 PM
cis-1,2-Dichloroethene	ND	0.0262		mg/Kg-dry	1	9/2/2021 2:10:36 PM
(MEK) 2-Butanone	ND	0.472		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Chloroform	ND	0.0262		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,1,1-Trichloroethane (TCA)	ND	0.0262		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,1-Dichloropropene	ND	0.0262		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Carbon tetrachloride	ND	0.0787		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,2-Dichloroethane (EDC)	ND	0.0241		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Benzene	ND	0.0210		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Trichloroethene (TCE)	ND	0.0210		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,2-Dichloropropane	ND	0.0210		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Bromodichloromethane	ND	0.0262		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Dibromomethane	ND	0.0210		mg/Kg-dry	1	9/2/2021 2:10:36 PM
cis-1,3-Dichloropropene	ND	0.0840		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Toluene	ND	0.0315		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Trans-1,3-Dichloropropylene	ND	0.0525		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0787		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,1,2-Trichloroethane	ND	0.0178		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,3-Dichloropropane	ND	0.0210		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Tetrachloroethene (PCE)	ND	0.0420		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Dibromochloromethane	ND	0.0210		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,2-Dibromoethane (EDB)	ND	0.0105		mg/Kg-dry	1	9/2/2021 2:10:36 PM
2-Hexanone (MBK)	ND	0.0630		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Chlorobenzene	ND	0.0262		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,1,1,2-Tetrachloroethane	ND	0.0210		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Ethylbenzene	ND	0.0262		mg/Kg-dry	1	9/2/2021 2:10:36 PM
m,p-Xylene	ND	0.0525		mg/Kg-dry	1	9/2/2021 2:10:36 PM
o-Xylene	ND	0.0262		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Styrene	ND	0.0262		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Isopropylbenzene	ND	0.0315		mg/Kg-dry	1	9/2/2021 2:10:36 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-008
Client Sample ID: B95-AB-23-40

Collection Date: 8/30/2021 9:37:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Bromoform	ND	0.0262		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,1,2,2-Tetrachloroethane	ND	0.0157		mg/Kg-dry	1	9/2/2021 2:10:36 PM
n-Propylbenzene	ND	0.0315		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Bromobenzene	ND	0.0315		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,3,5-Trimethylbenzene	ND	0.0262		mg/Kg-dry	1	9/2/2021 2:10:36 PM
2-Chlorotoluene	ND	0.0315		mg/Kg-dry	1	9/2/2021 2:10:36 PM
4-Chlorotoluene	ND	0.0315		mg/Kg-dry	1	9/2/2021 2:10:36 PM
tert-Butylbenzene	ND	0.0315		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,2,3-Trichloropropane	ND	0.0262		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,2,4-Trichlorobenzene	ND	0.0420		mg/Kg-dry	1	9/2/2021 2:10:36 PM
sec-Butylbenzene	ND	0.0315		mg/Kg-dry	1	9/2/2021 2:10:36 PM
4-Isopropyltoluene	ND	0.0315		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,3-Dichlorobenzene	ND	0.0367		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,4-Dichlorobenzene	ND	0.0315		mg/Kg-dry	1	9/2/2021 2:10:36 PM
n-Butylbenzene	ND	0.0420		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,2-Dichlorobenzene	ND	0.0315		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,2-Dibromo-3-chloropropane	ND	0.0630		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,2,4-Trimethylbenzene	ND	0.0262		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Hexachloro-1,3-butadiene	ND	0.0525		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Naphthalene	ND	0.105		mg/Kg-dry	1	9/2/2021 2:10:36 PM
1,2,3-Trichlorobenzene	ND	0.0525		mg/Kg-dry	1	9/2/2021 2:10:36 PM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	9/2/2021 2:10:36 PM
Surr: Toluene-d8	97.2	82.4 - 115		%Rec	1	9/2/2021 2:10:36 PM
Surr: 1-Bromo-4-fluorobenzene	88.3	78.5 - 118		%Rec	1	9/2/2021 2:10:36 PM
Total Metals by EPA Method 6020B				Batch ID: 33564		Analyst: EH
Arsenic	2.67	0.0980		mg/Kg-dry	1	9/3/2021 6:51:15 PM
Sample Moisture (Percent Moisture)				Batch ID: R69599		Analyst: ALB
Percent Moisture	5.77	0.500		wt%	1	8/31/2021 10:34:37 AM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/30/2021 9:48:00 AM
Project: Swedish Block 95
Lab ID: 2108428-009
Matrix: Soil
Client Sample ID: B95-AB-23-45

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33571		Analyst: MM
Diesel (Fuel Oil)	ND	46.2		mg/Kg-dry	1	9/2/2021 4:46:27 PM
Heavy Oil	ND	92.4		mg/Kg-dry	1	9/2/2021 4:46:27 PM
Total Petroleum Hydrocarbons	ND	139		mg/Kg-dry	1	9/2/2021 4:46:27 PM
Surr: 2-Fluorobiphenyl	77.2	50 - 150		%Rec	1	9/2/2021 4:46:27 PM
Surr: o-Terphenyl	84.4	50 - 150		%Rec	1	9/2/2021 4:46:27 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33557		Analyst: SB
Naphthalene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:42:01 PM
2-Methylnaphthalene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:42:01 PM
1-Methylnaphthalene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:42:01 PM
Acenaphthylene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:42:01 PM
Acenaphthene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:42:01 PM
Fluorene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:42:01 PM
Phenanthrene	ND	39.2		µg/Kg-dry	1	8/31/2021 5:42:01 PM
Anthracene	ND	39.2		µg/Kg-dry	1	8/31/2021 5:42:01 PM
Fluoranthene	ND	39.2		µg/Kg-dry	1	8/31/2021 5:42:01 PM
Pyrene	ND	39.2		µg/Kg-dry	1	8/31/2021 5:42:01 PM
Benz(a)anthracene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:42:01 PM
Chrysene	ND	39.2		µg/Kg-dry	1	8/31/2021 5:42:01 PM
Benzo(b)fluoranthene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:42:01 PM
Benzo(k)fluoranthene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:42:01 PM
Benzo(a)pyrene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:42:01 PM
Indeno(1,2,3-cd)pyrene	ND	39.2		µg/Kg-dry	1	8/31/2021 5:42:01 PM
Dibenz(a,h)anthracene	ND	39.2		µg/Kg-dry	1	8/31/2021 5:42:01 PM
Benzo(g,h,i)perylene	ND	19.6		µg/Kg-dry	1	8/31/2021 5:42:01 PM
Surr: 2-Fluorobiphenyl	87.5	27.9 - 129		%Rec	1	8/31/2021 5:42:01 PM
Surr: Terphenyl-d14 (surr)	92.5	39.1 - 145		%Rec	1	8/31/2021 5:42:01 PM
Gasoline by NWTPH-Gx				Batch ID: 33577		Analyst: KT
Gasoline	ND	5.48		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Surr: Toluene-d8	95.2	65 - 135		%Rec	1	9/2/2021 2:40:45 PM
Surr: 4-Bromofluorobenzene	86.9	65 - 135		%Rec	1	9/2/2021 2:40:45 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0548		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Chloromethane	ND	0.0877		mg/Kg-dry	1	9/2/2021 2:40:45 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-009
Client Sample ID: **B95-AB-23-45**

Collection Date: 8/30/2021 9:48:00 AM
Matrix: Soil

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33577 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Bromomethane	ND	0.164		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Trichlorofluoromethane (CFC-11)	ND	0.0548		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Chloroethane	ND	0.132		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,1-Dichloroethene	ND	0.110		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Acetone	ND	0.548		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Methylene chloride	ND	0.0164		mg/Kg-dry	1	9/2/2021 2:40:45 PM
trans-1,2-Dichloroethene	ND	0.0329		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Methyl tert-butyl ether (MTBE)	ND	0.0329		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,1-Dichloroethane	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:40:45 PM
cis-1,2-Dichloroethene	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:40:45 PM
(MEK) 2-Butanone	ND	0.493		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Chloroform	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,1,1-Trichloroethane (TCA)	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,1-Dichloropropene	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Carbon tetrachloride	ND	0.0822		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,2-Dichloroethane (EDC)	ND	0.0252		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Benzene	ND	0.0219		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Trichloroethene (TCE)	ND	0.0219		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,2-Dichloropropane	ND	0.0219		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Bromodichloromethane	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Dibromomethane	ND	0.0219		mg/Kg-dry	1	9/2/2021 2:40:45 PM
cis-1,3-Dichloropropene	ND	0.0877		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Toluene	ND	0.0329		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Trans-1,3-Dichloropropylene	ND	0.0548		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0822		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,1,2-Trichloroethane	ND	0.0186		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,3-Dichloropropane	ND	0.0219		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Tetrachloroethene (PCE)	ND	0.0439		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Dibromochloromethane	ND	0.0219		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,2-Dibromoethane (EDB)	ND	0.0110		mg/Kg-dry	1	9/2/2021 2:40:45 PM
2-Hexanone (MBK)	ND	0.0658		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Chlorobenzene	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,1,1,2-Tetrachloroethane	ND	0.0219		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Ethylbenzene	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:40:45 PM
m,p-Xylene	ND	0.0548		mg/Kg-dry	1	9/2/2021 2:40:45 PM
o-Xylene	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Styrene	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Isopropylbenzene	ND	0.0329		mg/Kg-dry	1	9/2/2021 2:40:45 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-009
Client Sample ID: B95-AB-23-45

Collection Date: 8/30/2021 9:48:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Bromoform	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,1,2,2-Tetrachloroethane	ND	0.0164		mg/Kg-dry	1	9/2/2021 2:40:45 PM
n-Propylbenzene	ND	0.0329		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Bromobenzene	ND	0.0329		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,3,5-Trimethylbenzene	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:40:45 PM
2-Chlorotoluene	ND	0.0329		mg/Kg-dry	1	9/2/2021 2:40:45 PM
4-Chlorotoluene	ND	0.0329		mg/Kg-dry	1	9/2/2021 2:40:45 PM
tert-Butylbenzene	ND	0.0329		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,2,3-Trichloropropane	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,2,4-Trichlorobenzene	ND	0.0439		mg/Kg-dry	1	9/2/2021 2:40:45 PM
sec-Butylbenzene	ND	0.0329		mg/Kg-dry	1	9/2/2021 2:40:45 PM
4-Isopropyltoluene	ND	0.0329		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,3-Dichlorobenzene	ND	0.0384		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,4-Dichlorobenzene	ND	0.0329		mg/Kg-dry	1	9/2/2021 2:40:45 PM
n-Butylbenzene	ND	0.0439		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,2-Dichlorobenzene	ND	0.0329		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,2-Dibromo-3-chloropropane	ND	0.0658		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,2,4-Trimethylbenzene	ND	0.0274		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Hexachloro-1,3-butadiene	ND	0.0548		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Naphthalene	ND	0.110		mg/Kg-dry	1	9/2/2021 2:40:45 PM
1,2,3-Trichlorobenzene	ND	0.0548		mg/Kg-dry	1	9/2/2021 2:40:45 PM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	9/2/2021 2:40:45 PM
Surr: Toluene-d8	98.4	82.4 - 115		%Rec	1	9/2/2021 2:40:45 PM
Surr: 1-Bromo-4-fluorobenzene	87.8	78.5 - 118		%Rec	1	9/2/2021 2:40:45 PM
Total Metals by EPA Method 6020B				Batch ID: 33564		Analyst: EH
Arsenic	3.48	0.0963		mg/Kg-dry	1	9/3/2021 5:50:00 PM
Sample Moisture (Percent Moisture)				Batch ID: R69599		Analyst: ALB
Percent Moisture	9.06	0.500		wt%	1	8/31/2021 10:34:37 AM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/30/2021 9:56:00 AM
Project: Swedish Block 95
Lab ID: 2108428-010
Matrix: Soil
Client Sample ID: B95-AB-23-50

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33571		Analyst: MM
Diesel (Fuel Oil)	ND	48.7		mg/Kg-dry	1	9/2/2021 4:59:25 PM
Heavy Oil	ND	97.5		mg/Kg-dry	1	9/2/2021 4:59:25 PM
Total Petroleum Hydrocarbons	ND	146		mg/Kg-dry	1	9/2/2021 4:59:25 PM
Surr: 2-Fluorobiphenyl	79.1	50 - 150		%Rec	1	9/2/2021 4:59:25 PM
Surr: o-Terphenyl	86.8	50 - 150		%Rec	1	9/2/2021 4:59:25 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33557		Analyst: SB
Naphthalene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
2-Methylnaphthalene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
1-Methylnaphthalene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
Acenaphthylene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
Acenaphthene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
Fluorene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
Phenanthrene	ND	38.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
Anthracene	ND	38.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
Fluoranthene	ND	38.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
Pyrene	ND	38.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
Benz(a)anthracene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
Chrysene	ND	38.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
Benzo(b)fluoranthene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
Benzo(k)fluoranthene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
Benzo(a)pyrene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
Indeno(1,2,3-cd)pyrene	ND	38.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
Dibenz(a,h)anthracene	ND	38.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
Benzo(g,h,i)perylene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:03:29 PM
Surr: 2-Fluorobiphenyl	87.2	27.9 - 129		%Rec	1	8/31/2021 6:03:29 PM
Surr: Terphenyl-d14 (surr)	95.6	39.1 - 145		%Rec	1	8/31/2021 6:03:29 PM
Gasoline by NWTPH-Gx				Batch ID: 33577		Analyst: KT
Gasoline	ND	6.55		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Gasoline Range Organics (C6-C12)	25.5	6.55		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Surr: Toluene-d8	94.3	65 - 135		%Rec	1	9/2/2021 3:10:54 PM
Surr: 4-Bromofluorobenzene	86.7	65 - 135		%Rec	1	9/2/2021 3:10:54 PM

NOTES:
GRO - Indicates the presence of unresolved compounds in the gasoline range. Detection caused by a single large peak in the gasoline range.

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-010
Client Sample ID: **B95-AB-23-50**

Collection Date: 8/30/2021 9:56:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0655		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Chloromethane	ND	0.105		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Vinyl chloride	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Bromomethane	ND	0.196		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Trichlorofluoromethane (CFC-11)	ND	0.0655		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Chloroethane	ND	0.157		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,1-Dichloroethene	ND	0.131		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Acetone	ND	0.655		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Methylene chloride	ND	0.0196		mg/Kg-dry	1	9/2/2021 3:10:54 PM
trans-1,2-Dichloroethene	ND	0.0393		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Methyl tert-butyl ether (MTBE)	ND	0.0393		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,1-Dichloroethane	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:10:54 PM
cis-1,2-Dichloroethene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:10:54 PM
(MEK) 2-Butanone	ND	0.589		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Chloroform	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,1,1-Trichloroethane (TCA)	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,1-Dichloropropene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Carbon tetrachloride	ND	0.0982		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,2-Dichloroethane (EDC)	ND	0.0301		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Benzene	ND	0.0262		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Trichloroethene (TCE)	ND	0.0262		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,2-Dichloropropane	ND	0.0262		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Bromodichloromethane	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Dibromomethane	ND	0.0262		mg/Kg-dry	1	9/2/2021 3:10:54 PM
cis-1,3-Dichloropropene	ND	0.105		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Toluene	ND	0.0393		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Trans-1,3-Dichloropropylene	ND	0.0655		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0982		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,1,2-Trichloroethane	ND	0.0223		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,3-Dichloropropane	ND	0.0262		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Tetrachloroethene (PCE)	ND	0.0524		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Dibromochloromethane	ND	0.0262		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,2-Dibromoethane (EDB)	ND	0.0131		mg/Kg-dry	1	9/2/2021 3:10:54 PM
2-Hexanone (MBK)	ND	0.0785		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Chlorobenzene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,1,1,2-Tetrachloroethane	ND	0.0262		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Ethylbenzene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:10:54 PM
m,p-Xylene	ND	0.0655		mg/Kg-dry	1	9/2/2021 3:10:54 PM
o-Xylene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:10:54 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-010
Client Sample ID: B95-AB-23-50

Collection Date: 8/30/2021 9:56:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Styrene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Isopropylbenzene	ND	0.0393		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Bromoform	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,1,2,2-Tetrachloroethane	ND	0.0196		mg/Kg-dry	1	9/2/2021 3:10:54 PM
n-Propylbenzene	ND	0.0393		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Bromobenzene	ND	0.0393		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,3,5-Trimethylbenzene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:10:54 PM
2-Chlorotoluene	ND	0.0393		mg/Kg-dry	1	9/2/2021 3:10:54 PM
4-Chlorotoluene	ND	0.0393		mg/Kg-dry	1	9/2/2021 3:10:54 PM
tert-Butylbenzene	ND	0.0393		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,2,3-Trichloropropane	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,2,4-Trichlorobenzene	ND	0.0524		mg/Kg-dry	1	9/2/2021 3:10:54 PM
sec-Butylbenzene	ND	0.0393		mg/Kg-dry	1	9/2/2021 3:10:54 PM
4-Isopropyltoluene	ND	0.0393		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,3-Dichlorobenzene	ND	0.0458		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,4-Dichlorobenzene	ND	0.0393		mg/Kg-dry	1	9/2/2021 3:10:54 PM
n-Butylbenzene	ND	0.0524		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,2-Dichlorobenzene	ND	0.0393		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,2-Dibromo-3-chloropropane	ND	0.0785		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,2,4-Trimethylbenzene	ND	0.0327		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Hexachloro-1,3-butadiene	ND	0.0655		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Naphthalene	ND	0.131		mg/Kg-dry	1	9/2/2021 3:10:54 PM
1,2,3-Trichlorobenzene	ND	0.0655		mg/Kg-dry	1	9/2/2021 3:10:54 PM
Surr: Dibromofluoromethane	106	75.5 - 119		%Rec	1	9/2/2021 3:10:54 PM
Surr: Toluene-d8	97.7	82.4 - 115		%Rec	1	9/2/2021 3:10:54 PM
Surr: 1-Bromo-4-fluorobenzene	85.3	78.5 - 118		%Rec	1	9/2/2021 3:10:54 PM
Total Metals by EPA Method 6020B				Batch ID: 33564		Analyst: EH
Arsenic	3.43	0.102		mg/Kg-dry	1	9/3/2021 6:56:49 PM
Sample Moisture (Percent Moisture)				Batch ID: R69599		Analyst: ALB
Percent Moisture	8.90	0.500		wt%	1	8/31/2021 10:34:37 AM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/30/2021 10:05:00 AM
Project: Swedish Block 95
Lab ID: 2108428-011
Matrix: Soil
Client Sample ID: B95-AB-23-55

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33571		Analyst: MM
Diesel (Fuel Oil)	ND	47.6		mg/Kg-dry	1	9/2/2021 5:12:14 PM
Heavy Oil	ND	95.1		mg/Kg-dry	1	9/2/2021 5:12:14 PM
Total Petroleum Hydrocarbons	ND	143		mg/Kg-dry	1	9/2/2021 5:12:14 PM
Surr: 2-Fluorobiphenyl	81.1	50 - 150		%Rec	1	9/2/2021 5:12:14 PM
Surr: o-Terphenyl	85.0	50 - 150		%Rec	1	9/2/2021 5:12:14 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33557		Analyst: SB
Naphthalene	ND	21.5		µg/Kg-dry	1	8/31/2021 6:24:55 PM
2-Methylnaphthalene	ND	21.5		µg/Kg-dry	1	8/31/2021 6:24:55 PM
1-Methylnaphthalene	ND	21.5		µg/Kg-dry	1	8/31/2021 6:24:55 PM
Acenaphthylene	ND	21.5		µg/Kg-dry	1	8/31/2021 6:24:55 PM
Acenaphthene	ND	21.5		µg/Kg-dry	1	8/31/2021 6:24:55 PM
Fluorene	ND	21.5		µg/Kg-dry	1	8/31/2021 6:24:55 PM
Phenanthrene	ND	43.0		µg/Kg-dry	1	8/31/2021 6:24:55 PM
Anthracene	ND	43.0		µg/Kg-dry	1	8/31/2021 6:24:55 PM
Fluoranthene	ND	43.0		µg/Kg-dry	1	8/31/2021 6:24:55 PM
Pyrene	ND	43.0		µg/Kg-dry	1	8/31/2021 6:24:55 PM
Benz(a)anthracene	ND	21.5		µg/Kg-dry	1	8/31/2021 6:24:55 PM
Chrysene	ND	43.0		µg/Kg-dry	1	8/31/2021 6:24:55 PM
Benzo(b)fluoranthene	ND	21.5		µg/Kg-dry	1	8/31/2021 6:24:55 PM
Benzo(k)fluoranthene	ND	21.5		µg/Kg-dry	1	8/31/2021 6:24:55 PM
Benzo(a)pyrene	ND	21.5		µg/Kg-dry	1	8/31/2021 6:24:55 PM
Indeno(1,2,3-cd)pyrene	ND	43.0		µg/Kg-dry	1	8/31/2021 6:24:55 PM
Dibenz(a,h)anthracene	ND	43.0		µg/Kg-dry	1	8/31/2021 6:24:55 PM
Benzo(g,h,i)perylene	ND	21.5		µg/Kg-dry	1	8/31/2021 6:24:55 PM
Surr: 2-Fluorobiphenyl	103	27.9 - 129		%Rec	1	8/31/2021 6:24:55 PM
Surr: Terphenyl-d14 (surr)	116	39.1 - 145		%Rec	1	8/31/2021 6:24:55 PM
Gasoline by NWTPH-Gx				Batch ID: 33577		Analyst: KT
Gasoline	ND	5.61		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Surr: Toluene-d8	95.3	65 - 135		%Rec	1	9/2/2021 3:41:01 PM
Surr: 4-Bromofluorobenzene	86.7	65 - 135		%Rec	1	9/2/2021 3:41:01 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0561		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Chloromethane	ND	0.0898		mg/Kg-dry	1	9/2/2021 3:41:01 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-011
Client Sample ID: **B95-AB-23-55**

Collection Date: 8/30/2021 10:05:00 AM
Matrix: Soil

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33577 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0281		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Bromomethane	ND	0.168		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Trichlorofluoromethane (CFC-11)	ND	0.0561		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Chloroethane	ND	0.135		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,1-Dichloroethene	ND	0.112		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Acetone	ND	0.561		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Methylene chloride	ND	0.0168		mg/Kg-dry	1	9/2/2021 3:41:01 PM
trans-1,2-Dichloroethene	ND	0.0337		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Methyl tert-butyl ether (MTBE)	ND	0.0337		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,1-Dichloroethane	ND	0.0281		mg/Kg-dry	1	9/2/2021 3:41:01 PM
cis-1,2-Dichloroethene	ND	0.0281		mg/Kg-dry	1	9/2/2021 3:41:01 PM
(MEK) 2-Butanone	ND	0.505		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Chloroform	ND	0.0281		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,1,1-Trichloroethane (TCA)	ND	0.0281		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,1-Dichloropropene	ND	0.0281		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Carbon tetrachloride	ND	0.0842		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,2-Dichloroethane (EDC)	ND	0.0258		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Benzene	ND	0.0225		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Trichloroethene (TCE)	ND	0.0225		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,2-Dichloropropane	ND	0.0225		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Bromodichloromethane	ND	0.0281		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Dibromomethane	ND	0.0225		mg/Kg-dry	1	9/2/2021 3:41:01 PM
cis-1,3-Dichloropropene	ND	0.0898		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Toluene	ND	0.0337		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Trans-1,3-Dichloropropylene	ND	0.0561		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0842		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,1,2-Trichloroethane	ND	0.0191		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,3-Dichloropropane	ND	0.0225		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Tetrachloroethene (PCE)	ND	0.0449		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Dibromochloromethane	ND	0.0225		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,2-Dibromoethane (EDB)	ND	0.0112		mg/Kg-dry	1	9/2/2021 3:41:01 PM
2-Hexanone (MBK)	ND	0.0674		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Chlorobenzene	ND	0.0281		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,1,1,2-Tetrachloroethane	ND	0.0225		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Ethylbenzene	ND	0.0281		mg/Kg-dry	1	9/2/2021 3:41:01 PM
m,p-Xylene	ND	0.0561		mg/Kg-dry	1	9/2/2021 3:41:01 PM
o-Xylene	ND	0.0281		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Styrene	ND	0.0281		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Isopropylbenzene	ND	0.0337		mg/Kg-dry	1	9/2/2021 3:41:01 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-011
Client Sample ID: **B95-AB-23-55**

Collection Date: 8/30/2021 10:05:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Bromoform	ND	0.0281		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,1,2,2-Tetrachloroethane	ND	0.0168		mg/Kg-dry	1	9/2/2021 3:41:01 PM
n-Propylbenzene	ND	0.0337		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Bromobenzene	ND	0.0337		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,3,5-Trimethylbenzene	ND	0.0281		mg/Kg-dry	1	9/2/2021 3:41:01 PM
2-Chlorotoluene	ND	0.0337		mg/Kg-dry	1	9/2/2021 3:41:01 PM
4-Chlorotoluene	ND	0.0337		mg/Kg-dry	1	9/2/2021 3:41:01 PM
tert-Butylbenzene	ND	0.0337		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,2,3-Trichloropropane	ND	0.0281		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,2,4-Trichlorobenzene	ND	0.0449		mg/Kg-dry	1	9/2/2021 3:41:01 PM
sec-Butylbenzene	ND	0.0337		mg/Kg-dry	1	9/2/2021 3:41:01 PM
4-Isopropyltoluene	ND	0.0337		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,3-Dichlorobenzene	ND	0.0393		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,4-Dichlorobenzene	ND	0.0337		mg/Kg-dry	1	9/2/2021 3:41:01 PM
n-Butylbenzene	ND	0.0449		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,2-Dichlorobenzene	ND	0.0337		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,2-Dibromo-3-chloropropane	ND	0.0674		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,2,4-Trimethylbenzene	ND	0.0281		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Hexachloro-1,3-butadiene	ND	0.0561		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Naphthalene	ND	0.112		mg/Kg-dry	1	9/2/2021 3:41:01 PM
1,2,3-Trichlorobenzene	ND	0.0561		mg/Kg-dry	1	9/2/2021 3:41:01 PM
Surr: Dibromofluoromethane	102	75.5 - 119		%Rec	1	9/2/2021 3:41:01 PM
Surr: Toluene-d8	97.5	82.4 - 115		%Rec	1	9/2/2021 3:41:01 PM
Surr: 1-Bromo-4-fluorobenzene	87.3	78.5 - 118		%Rec	1	9/2/2021 3:41:01 PM
Total Metals by EPA Method 6020B				Batch ID: 33564		Analyst: EH
Arsenic	3.59	0.0945		mg/Kg-dry	1	9/3/2021 7:02:23 PM
Sample Moisture (Percent Moisture)				Batch ID: R69599		Analyst: ALB
Percent Moisture	8.64	0.500		wt%	1	8/31/2021 10:34:37 AM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/30/2021 10:31:00 AM
Project: Swedish Block 95
Lab ID: 2108428-014
Matrix: Soil
Client Sample ID: B95-AB-23-85

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33571		Analyst: MM
Diesel (Fuel Oil)	ND	47.0		mg/Kg-dry	1	9/2/2021 5:25:03 PM
Heavy Oil	ND	94.0		mg/Kg-dry	1	9/2/2021 5:25:03 PM
Total Petroleum Hydrocarbons	ND	141		mg/Kg-dry	1	9/2/2021 5:25:03 PM
Surr: 2-Fluorobiphenyl	83.9	50 - 150		%Rec	1	9/2/2021 5:25:03 PM
Surr: o-Terphenyl	90.4	50 - 150		%Rec	1	9/2/2021 5:25:03 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33557		Analyst: SB
Naphthalene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:46:20 PM
2-Methylnaphthalene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:46:20 PM
1-Methylnaphthalene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:46:20 PM
Acenaphthylene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:46:20 PM
Acenaphthene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:46:20 PM
Fluorene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:46:20 PM
Phenanthrene	ND	37.9		µg/Kg-dry	1	8/31/2021 6:46:20 PM
Anthracene	ND	37.9		µg/Kg-dry	1	8/31/2021 6:46:20 PM
Fluoranthene	ND	37.9		µg/Kg-dry	1	8/31/2021 6:46:20 PM
Pyrene	ND	37.9		µg/Kg-dry	1	8/31/2021 6:46:20 PM
Benz(a)anthracene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:46:20 PM
Chrysene	ND	37.9		µg/Kg-dry	1	8/31/2021 6:46:20 PM
Benzo(b)fluoranthene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:46:20 PM
Benzo(k)fluoranthene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:46:20 PM
Benzo(a)pyrene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:46:20 PM
Indeno(1,2,3-cd)pyrene	ND	37.9		µg/Kg-dry	1	8/31/2021 6:46:20 PM
Dibenz(a,h)anthracene	ND	37.9		µg/Kg-dry	1	8/31/2021 6:46:20 PM
Benzo(g,h,i)perylene	ND	19.0		µg/Kg-dry	1	8/31/2021 6:46:20 PM
Surr: 2-Fluorobiphenyl	89.5	27.9 - 129		%Rec	1	8/31/2021 6:46:20 PM
Surr: Terphenyl-d14 (surr)	95.4	39.1 - 145		%Rec	1	8/31/2021 6:46:20 PM
Gasoline by NWTPH-Gx				Batch ID: 33577		Analyst: KT
Gasoline	ND	5.40		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Surr: Toluene-d8	94.4	65 - 135		%Rec	1	9/2/2021 4:11:07 PM
Surr: 4-Bromofluorobenzene	86.7	65 - 135		%Rec	1	9/2/2021 4:11:07 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0540		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Chloromethane	ND	0.0863		mg/Kg-dry	1	9/2/2021 4:11:07 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-014
Client Sample ID: **B95-AB-23-85**

Collection Date: 8/30/2021 10:31:00 AM
Matrix: Soil

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33577 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0270		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Bromomethane	ND	0.162		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Trichlorofluoromethane (CFC-11)	ND	0.0540		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Chloroethane	ND	0.129		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,1-Dichloroethene	ND	0.108		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Acetone	ND	0.540		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Methylene chloride	ND	0.0162		mg/Kg-dry	1	9/2/2021 4:11:07 PM
trans-1,2-Dichloroethene	ND	0.0324		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Methyl tert-butyl ether (MTBE)	ND	0.0324		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,1-Dichloroethane	ND	0.0270		mg/Kg-dry	1	9/2/2021 4:11:07 PM
cis-1,2-Dichloroethene	ND	0.0270		mg/Kg-dry	1	9/2/2021 4:11:07 PM
(MEK) 2-Butanone	ND	0.486		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Chloroform	ND	0.0270		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,1,1-Trichloroethane (TCA)	ND	0.0270		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,1-Dichloropropene	ND	0.0270		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Carbon tetrachloride	ND	0.0809		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,2-Dichloroethane (EDC)	ND	0.0248		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Benzene	ND	0.0216		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Trichloroethene (TCE)	ND	0.0216		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,2-Dichloropropane	ND	0.0216		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Bromodichloromethane	ND	0.0270		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Dibromomethane	ND	0.0216		mg/Kg-dry	1	9/2/2021 4:11:07 PM
cis-1,3-Dichloropropene	ND	0.0863		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Toluene	ND	0.0324		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Trans-1,3-Dichloropropylene	ND	0.0540		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0809		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,1,2-Trichloroethane	ND	0.0183		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,3-Dichloropropane	ND	0.0216		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Tetrachloroethene (PCE)	ND	0.0432		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Dibromochloromethane	ND	0.0216		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,2-Dibromoethane (EDB)	ND	0.0108		mg/Kg-dry	1	9/2/2021 4:11:07 PM
2-Hexanone (MBK)	ND	0.0647		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Chlorobenzene	ND	0.0270		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,1,1,2-Tetrachloroethane	ND	0.0216		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Ethylbenzene	ND	0.0270		mg/Kg-dry	1	9/2/2021 4:11:07 PM
m,p-Xylene	ND	0.0540		mg/Kg-dry	1	9/2/2021 4:11:07 PM
o-Xylene	ND	0.0270		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Styrene	ND	0.0270		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Isopropylbenzene	ND	0.0324		mg/Kg-dry	1	9/2/2021 4:11:07 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-014
Client Sample ID: **B95-AB-23-85**

Collection Date: 8/30/2021 10:31:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Bromoform	ND	0.0270		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,1,2,2-Tetrachloroethane	ND	0.0162		mg/Kg-dry	1	9/2/2021 4:11:07 PM
n-Propylbenzene	ND	0.0324		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Bromobenzene	ND	0.0324		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,3,5-Trimethylbenzene	ND	0.0270		mg/Kg-dry	1	9/2/2021 4:11:07 PM
2-Chlorotoluene	ND	0.0324		mg/Kg-dry	1	9/2/2021 4:11:07 PM
4-Chlorotoluene	ND	0.0324		mg/Kg-dry	1	9/2/2021 4:11:07 PM
tert-Butylbenzene	ND	0.0324		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,2,3-Trichloropropane	ND	0.0270		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,2,4-Trichlorobenzene	ND	0.0432		mg/Kg-dry	1	9/2/2021 4:11:07 PM
sec-Butylbenzene	ND	0.0324		mg/Kg-dry	1	9/2/2021 4:11:07 PM
4-Isopropyltoluene	ND	0.0324		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,3-Dichlorobenzene	ND	0.0378		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,4-Dichlorobenzene	ND	0.0324		mg/Kg-dry	1	9/2/2021 4:11:07 PM
n-Butylbenzene	ND	0.0432		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,2-Dichlorobenzene	ND	0.0324		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,2-Dibromo-3-chloropropane	ND	0.0647		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,2,4-Trimethylbenzene	ND	0.0270		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Hexachloro-1,3-butadiene	ND	0.0540		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Naphthalene	ND	0.108		mg/Kg-dry	1	9/2/2021 4:11:07 PM
1,2,3-Trichlorobenzene	ND	0.0540		mg/Kg-dry	1	9/2/2021 4:11:07 PM
Surr: Dibromofluoromethane	101	75.5 - 119		%Rec	1	9/2/2021 4:11:07 PM
Surr: Toluene-d8	96.5	82.4 - 115		%Rec	1	9/2/2021 4:11:07 PM
Surr: 1-Bromo-4-fluorobenzene	87.4	78.5 - 118		%Rec	1	9/2/2021 4:11:07 PM
Total Metals by EPA Method 6020B				Batch ID: 33564		Analyst: EH
Arsenic	2.43	0.0916		mg/Kg-dry	1	9/3/2021 7:07:57 PM
Sample Moisture (Percent Moisture)				Batch ID: R69599		Analyst: ALB
Percent Moisture	7.05	0.500		wt%	1	8/31/2021 10:34:37 AM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/30/2021 11:06:00 AM
Project: Swedish Block 95
Lab ID: 2108428-015
Matrix: Soil
Client Sample ID: B95-AB-23-95

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33571		Analyst: MM
Diesel (Fuel Oil)	ND	50.3		mg/Kg-dry	1	9/2/2021 6:03:35 PM
Heavy Oil	ND	101		mg/Kg-dry	1	9/2/2021 6:03:35 PM
Total Petroleum Hydrocarbons	ND	151		mg/Kg-dry	1	9/2/2021 6:03:35 PM
Surr: 2-Fluorobiphenyl	83.3	50 - 150		%Rec	1	9/2/2021 6:03:35 PM
Surr: o-Terphenyl	86.3	50 - 150		%Rec	1	9/2/2021 6:03:35 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33557		Analyst: SB
Naphthalene	ND	19.3		µg/Kg-dry	1	8/31/2021 7:07:49 PM
2-Methylnaphthalene	ND	19.3		µg/Kg-dry	1	8/31/2021 7:07:49 PM
1-Methylnaphthalene	ND	19.3		µg/Kg-dry	1	8/31/2021 7:07:49 PM
Acenaphthylene	ND	19.3		µg/Kg-dry	1	8/31/2021 7:07:49 PM
Acenaphthene	ND	19.3		µg/Kg-dry	1	8/31/2021 7:07:49 PM
Fluorene	ND	19.3		µg/Kg-dry	1	8/31/2021 7:07:49 PM
Phenanthrene	ND	38.7		µg/Kg-dry	1	8/31/2021 7:07:49 PM
Anthracene	ND	38.7		µg/Kg-dry	1	8/31/2021 7:07:49 PM
Fluoranthene	ND	38.7		µg/Kg-dry	1	8/31/2021 7:07:49 PM
Pyrene	ND	38.7		µg/Kg-dry	1	8/31/2021 7:07:49 PM
Benz(a)anthracene	ND	19.3		µg/Kg-dry	1	8/31/2021 7:07:49 PM
Chrysene	ND	38.7		µg/Kg-dry	1	8/31/2021 7:07:49 PM
Benzo(b)fluoranthene	ND	19.3		µg/Kg-dry	1	8/31/2021 7:07:49 PM
Benzo(k)fluoranthene	ND	19.3		µg/Kg-dry	1	8/31/2021 7:07:49 PM
Benzo(a)pyrene	ND	19.3		µg/Kg-dry	1	8/31/2021 7:07:49 PM
Indeno(1,2,3-cd)pyrene	ND	38.7		µg/Kg-dry	1	8/31/2021 7:07:49 PM
Dibenz(a,h)anthracene	ND	38.7		µg/Kg-dry	1	8/31/2021 7:07:49 PM
Benzo(g,h,i)perylene	ND	19.3		µg/Kg-dry	1	8/31/2021 7:07:49 PM
Surr: 2-Fluorobiphenyl	85.9	27.9 - 129		%Rec	1	8/31/2021 7:07:49 PM
Surr: Terphenyl-d14 (surr)	92.9	39.1 - 145		%Rec	1	8/31/2021 7:07:49 PM
Gasoline by NWTPH-Gx				Batch ID: 33577		Analyst: KT
Gasoline	ND	5.92		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Surr: Toluene-d8	95.3	65 - 135		%Rec	1	9/2/2021 4:41:14 PM
Surr: 4-Bromofluorobenzene	87.2	65 - 135		%Rec	1	9/2/2021 4:41:14 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0592		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Chloromethane	ND	0.0947		mg/Kg-dry	1	9/2/2021 4:41:14 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-015
Client Sample ID: **B95-AB-23-95**

Collection Date: 8/30/2021 11:06:00 AM
Matrix: Soil

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33577 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0296		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Bromomethane	ND	0.178		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Trichlorofluoromethane (CFC-11)	ND	0.0592		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Chloroethane	ND	0.142		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,1-Dichloroethene	ND	0.118		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Acetone	ND	0.592		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Methylene chloride	ND	0.0178		mg/Kg-dry	1	9/2/2021 4:41:14 PM
trans-1,2-Dichloroethene	ND	0.0355		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Methyl tert-butyl ether (MTBE)	ND	0.0355		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,1-Dichloroethane	ND	0.0296		mg/Kg-dry	1	9/2/2021 4:41:14 PM
cis-1,2-Dichloroethene	ND	0.0296		mg/Kg-dry	1	9/2/2021 4:41:14 PM
(MEK) 2-Butanone	ND	0.533		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Chloroform	ND	0.0296		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,1,1-Trichloroethane (TCA)	ND	0.0296		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,1-Dichloropropene	ND	0.0296		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Carbon tetrachloride	ND	0.0888		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,2-Dichloroethane (EDC)	ND	0.0272		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Benzene	ND	0.0237		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Trichloroethene (TCE)	ND	0.0237		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,2-Dichloropropane	ND	0.0237		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Bromodichloromethane	ND	0.0296		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Dibromomethane	ND	0.0237		mg/Kg-dry	1	9/2/2021 4:41:14 PM
cis-1,3-Dichloropropene	ND	0.0947		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Toluene	ND	0.0355		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Trans-1,3-Dichloropropylene	ND	0.0592		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0888		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,1,2-Trichloroethane	ND	0.0201		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,3-Dichloropropane	ND	0.0237		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Tetrachloroethene (PCE)	ND	0.0474		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Dibromochloromethane	ND	0.0237		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,2-Dibromoethane (EDB)	ND	0.0118		mg/Kg-dry	1	9/2/2021 4:41:14 PM
2-Hexanone (MBK)	ND	0.0711		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Chlorobenzene	ND	0.0296		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,1,1,2-Tetrachloroethane	ND	0.0237		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Ethylbenzene	ND	0.0296		mg/Kg-dry	1	9/2/2021 4:41:14 PM
m,p-Xylene	ND	0.0592		mg/Kg-dry	1	9/2/2021 4:41:14 PM
o-Xylene	ND	0.0296		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Styrene	ND	0.0296		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Isopropylbenzene	ND	0.0355		mg/Kg-dry	1	9/2/2021 4:41:14 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-015
Client Sample ID: B95-AB-23-95

Collection Date: 8/30/2021 11:06:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Bromoform	ND	0.0296		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,1,2,2-Tetrachloroethane	ND	0.0178		mg/Kg-dry	1	9/2/2021 4:41:14 PM
n-Propylbenzene	ND	0.0355		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Bromobenzene	ND	0.0355		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,3,5-Trimethylbenzene	ND	0.0296		mg/Kg-dry	1	9/2/2021 4:41:14 PM
2-Chlorotoluene	ND	0.0355		mg/Kg-dry	1	9/2/2021 4:41:14 PM
4-Chlorotoluene	ND	0.0355		mg/Kg-dry	1	9/2/2021 4:41:14 PM
tert-Butylbenzene	ND	0.0355		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,2,3-Trichloropropane	ND	0.0296		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,2,4-Trichlorobenzene	ND	0.0474		mg/Kg-dry	1	9/2/2021 4:41:14 PM
sec-Butylbenzene	ND	0.0355		mg/Kg-dry	1	9/2/2021 4:41:14 PM
4-Isopropyltoluene	ND	0.0355		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,3-Dichlorobenzene	ND	0.0414		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,4-Dichlorobenzene	ND	0.0355		mg/Kg-dry	1	9/2/2021 4:41:14 PM
n-Butylbenzene	ND	0.0474		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,2-Dichlorobenzene	ND	0.0355		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,2-Dibromo-3-chloropropane	ND	0.0711		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,2,4-Trimethylbenzene	ND	0.0296		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Hexachloro-1,3-butadiene	ND	0.0592		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Naphthalene	ND	0.118		mg/Kg-dry	1	9/2/2021 4:41:14 PM
1,2,3-Trichlorobenzene	ND	0.0592		mg/Kg-dry	1	9/2/2021 4:41:14 PM
Surr: Dibromofluoromethane	101	75.5 - 119		%Rec	1	9/2/2021 4:41:14 PM
Surr: Toluene-d8	98.7	82.4 - 115		%Rec	1	9/2/2021 4:41:14 PM
Surr: 1-Bromo-4-fluorobenzene	87.8	78.5 - 118		%Rec	1	9/2/2021 4:41:14 PM
Total Metals by EPA Method 6020B				Batch ID: 33564		Analyst: EH
Arsenic	1.98	0.0923		mg/Kg-dry	1	9/3/2021 7:24:41 PM
Sample Moisture (Percent Moisture)				Batch ID: R69599		Analyst: ALB
Percent Moisture	4.43	0.500		wt%	1	8/31/2021 10:34:37 AM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/30/2021 11:30:00 AM
Project: Swedish Block 95
Lab ID: 2108428-017
Matrix: Soil
Client Sample ID: B95-AB-23-110

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33571		Analyst: MM
Diesel (Fuel Oil)	ND	72.3		mg/Kg-dry	1	9/2/2021 6:16:24 PM
Heavy Oil	ND	145		mg/Kg-dry	1	9/2/2021 6:16:24 PM
Total Petroleum Hydrocarbons	ND	217		mg/Kg-dry	1	9/2/2021 6:16:24 PM
Surr: 2-Fluorobiphenyl	61.8	50 - 150		%Rec	1	9/2/2021 6:16:24 PM
Surr: o-Terphenyl	71.3	50 - 150		%Rec	1	9/2/2021 6:16:24 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33557		Analyst: SB
Naphthalene	ND	27.4		µg/Kg-dry	1	8/31/2021 7:29:13 PM
2-Methylnaphthalene	ND	27.4		µg/Kg-dry	1	8/31/2021 7:29:13 PM
1-Methylnaphthalene	ND	27.4		µg/Kg-dry	1	8/31/2021 7:29:13 PM
Acenaphthylene	ND	27.4		µg/Kg-dry	1	8/31/2021 7:29:13 PM
Acenaphthene	ND	27.4		µg/Kg-dry	1	8/31/2021 7:29:13 PM
Fluorene	ND	27.4		µg/Kg-dry	1	8/31/2021 7:29:13 PM
Phenanthrene	ND	54.9		µg/Kg-dry	1	8/31/2021 7:29:13 PM
Anthracene	ND	54.9		µg/Kg-dry	1	8/31/2021 7:29:13 PM
Fluoranthene	ND	54.9		µg/Kg-dry	1	8/31/2021 7:29:13 PM
Pyrene	ND	54.9		µg/Kg-dry	1	8/31/2021 7:29:13 PM
Benz(a)anthracene	ND	27.4		µg/Kg-dry	1	8/31/2021 7:29:13 PM
Chrysene	ND	54.9		µg/Kg-dry	1	8/31/2021 7:29:13 PM
Benzo(b)fluoranthene	ND	27.4		µg/Kg-dry	1	8/31/2021 7:29:13 PM
Benzo(k)fluoranthene	ND	27.4		µg/Kg-dry	1	8/31/2021 7:29:13 PM
Benzo(a)pyrene	ND	27.4		µg/Kg-dry	1	8/31/2021 7:29:13 PM
Indeno(1,2,3-cd)pyrene	ND	54.9		µg/Kg-dry	1	8/31/2021 7:29:13 PM
Dibenz(a,h)anthracene	ND	54.9		µg/Kg-dry	1	8/31/2021 7:29:13 PM
Benzo(g,h,i)perylene	ND	27.4		µg/Kg-dry	1	8/31/2021 7:29:13 PM
Surr: 2-Fluorobiphenyl	62.6	27.9 - 129		%Rec	1	8/31/2021 7:29:13 PM
Surr: Terphenyl-d14 (surr)	67.5	39.1 - 145		%Rec	1	8/31/2021 7:29:13 PM
Gasoline by NWTPH-Gx				Batch ID: 33577		Analyst: KT
Gasoline	ND	8.94		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Surr: Toluene-d8	96.7	65 - 135		%Rec	1	9/2/2021 5:11:22 PM
Surr: 4-Bromofluorobenzene	87.3	65 - 135		%Rec	1	9/2/2021 5:11:22 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0894		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Chloromethane	ND	0.143		mg/Kg-dry	1	9/2/2021 5:11:22 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-017
Client Sample ID: **B95-AB-23-110**

Collection Date: 8/30/2021 11:30:00 AM
Matrix: Soil

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33577 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0447		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Bromomethane	ND	0.268		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Trichlorofluoromethane (CFC-11)	ND	0.0894		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Chloroethane	ND	0.215		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,1-Dichloroethene	ND	0.179		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Acetone	ND	0.894		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Methylene chloride	ND	0.0268		mg/Kg-dry	1	9/2/2021 5:11:22 PM
trans-1,2-Dichloroethene	ND	0.0537		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Methyl tert-butyl ether (MTBE)	ND	0.0537		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,1-Dichloroethane	ND	0.0447		mg/Kg-dry	1	9/2/2021 5:11:22 PM
cis-1,2-Dichloroethene	ND	0.0447		mg/Kg-dry	1	9/2/2021 5:11:22 PM
(MEK) 2-Butanone	ND	0.805		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Chloroform	ND	0.0447		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,1,1-Trichloroethane (TCA)	ND	0.0447		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,1-Dichloropropene	ND	0.0447		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Carbon tetrachloride	ND	0.134		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,2-Dichloroethane (EDC)	ND	0.0411		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Benzene	ND	0.0358		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Trichloroethene (TCE)	ND	0.0358		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,2-Dichloropropane	ND	0.0358		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Bromodichloromethane	ND	0.0447		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Dibromomethane	ND	0.0358		mg/Kg-dry	1	9/2/2021 5:11:22 PM
cis-1,3-Dichloropropene	ND	0.143		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Toluene	ND	0.0537		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Trans-1,3-Dichloropropylene	ND	0.0894		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.134		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,1,2-Trichloroethane	ND	0.0304		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,3-Dichloropropane	ND	0.0358		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Tetrachloroethene (PCE)	ND	0.0715		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Dibromochloromethane	ND	0.0358		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,2-Dibromoethane (EDB)	ND	0.0179		mg/Kg-dry	1	9/2/2021 5:11:22 PM
2-Hexanone (MBK)	ND	0.107		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Chlorobenzene	ND	0.0447		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,1,1,2-Tetrachloroethane	ND	0.0358		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Ethylbenzene	ND	0.0447		mg/Kg-dry	1	9/2/2021 5:11:22 PM
m,p-Xylene	ND	0.0894		mg/Kg-dry	1	9/2/2021 5:11:22 PM
o-Xylene	ND	0.0447		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Styrene	ND	0.0447		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Isopropylbenzene	ND	0.0537		mg/Kg-dry	1	9/2/2021 5:11:22 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-017
Client Sample ID: B95-AB-23-110

Collection Date: 8/30/2021 11:30:00 AM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Bromoform	ND	0.0447		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,1,2,2-Tetrachloroethane	ND	0.0268		mg/Kg-dry	1	9/2/2021 5:11:22 PM
n-Propylbenzene	ND	0.0537		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Bromobenzene	ND	0.0537		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,3,5-Trimethylbenzene	ND	0.0447		mg/Kg-dry	1	9/2/2021 5:11:22 PM
2-Chlorotoluene	ND	0.0537		mg/Kg-dry	1	9/2/2021 5:11:22 PM
4-Chlorotoluene	ND	0.0537		mg/Kg-dry	1	9/2/2021 5:11:22 PM
tert-Butylbenzene	ND	0.0537		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,2,3-Trichloropropane	ND	0.0447		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,2,4-Trichlorobenzene	ND	0.0715		mg/Kg-dry	1	9/2/2021 5:11:22 PM
sec-Butylbenzene	ND	0.0537		mg/Kg-dry	1	9/2/2021 5:11:22 PM
4-Isopropyltoluene	ND	0.0537		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,3-Dichlorobenzene	ND	0.0626		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,4-Dichlorobenzene	ND	0.0537		mg/Kg-dry	1	9/2/2021 5:11:22 PM
n-Butylbenzene	ND	0.0715		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,2-Dichlorobenzene	ND	0.0537		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,2-Dibromo-3-chloropropane	ND	0.107		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,2,4-Trimethylbenzene	ND	0.0447		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Hexachloro-1,3-butadiene	ND	0.0894		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Naphthalene	ND	0.179		mg/Kg-dry	1	9/2/2021 5:11:22 PM
1,2,3-Trichlorobenzene	ND	0.0894		mg/Kg-dry	1	9/2/2021 5:11:22 PM
Surr: Dibromofluoromethane	101	75.5 - 119		%Rec	1	9/2/2021 5:11:22 PM
Surr: Toluene-d8	97.0	82.4 - 115		%Rec	1	9/2/2021 5:11:22 PM
Surr: 1-Bromo-4-fluorobenzene	87.9	78.5 - 118		%Rec	1	9/2/2021 5:11:22 PM
Total Metals by EPA Method 6020B				Batch ID: 33564		Analyst: EH
Arsenic	6.61	0.132		mg/Kg-dry	1	9/3/2021 7:30:15 PM
Sample Moisture (Percent Moisture)				Batch ID: R69599		Analyst: ALB
Percent Moisture	31.3	0.500		wt%	1	8/31/2021 10:34:37 AM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/30/2021 2:00:00 PM
Project: Swedish Block 95
Lab ID: 2108428-019
Matrix: Soil
Client Sample ID: B95-AB-10-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33571		Analyst: MM
Diesel (Fuel Oil)	ND	49.3		mg/Kg-dry	1	9/2/2021 6:29:12 PM
Heavy Oil	ND	98.6		mg/Kg-dry	1	9/2/2021 6:29:12 PM
Total Petroleum Hydrocarbons	ND	148		mg/Kg-dry	1	9/2/2021 6:29:12 PM
Surr: 2-Fluorobiphenyl	80.3	50 - 150		%Rec	1	9/2/2021 6:29:12 PM
Surr: o-Terphenyl	85.5	50 - 150		%Rec	1	9/2/2021 6:29:12 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33557		Analyst: SB
Naphthalene	ND	20.3		µg/Kg-dry	1	8/31/2021 7:50:35 PM
2-Methylnaphthalene	ND	20.3		µg/Kg-dry	1	8/31/2021 7:50:35 PM
1-Methylnaphthalene	ND	20.3		µg/Kg-dry	1	8/31/2021 7:50:35 PM
Acenaphthylene	ND	20.3		µg/Kg-dry	1	8/31/2021 7:50:35 PM
Acenaphthene	ND	20.3		µg/Kg-dry	1	8/31/2021 7:50:35 PM
Fluorene	ND	20.3		µg/Kg-dry	1	8/31/2021 7:50:35 PM
Phenanthrene	ND	40.5		µg/Kg-dry	1	8/31/2021 7:50:35 PM
Anthracene	ND	40.5		µg/Kg-dry	1	8/31/2021 7:50:35 PM
Fluoranthene	ND	40.5		µg/Kg-dry	1	8/31/2021 7:50:35 PM
Pyrene	ND	40.5		µg/Kg-dry	1	8/31/2021 7:50:35 PM
Benz(a)anthracene	ND	20.3		µg/Kg-dry	1	8/31/2021 7:50:35 PM
Chrysene	ND	40.5		µg/Kg-dry	1	8/31/2021 7:50:35 PM
Benzo(b)fluoranthene	ND	20.3		µg/Kg-dry	1	8/31/2021 7:50:35 PM
Benzo(k)fluoranthene	ND	20.3		µg/Kg-dry	1	8/31/2021 7:50:35 PM
Benzo(a)pyrene	ND	20.3		µg/Kg-dry	1	8/31/2021 7:50:35 PM
Indeno(1,2,3-cd)pyrene	ND	40.5		µg/Kg-dry	1	8/31/2021 7:50:35 PM
Dibenz(a,h)anthracene	ND	40.5		µg/Kg-dry	1	8/31/2021 7:50:35 PM
Benzo(g,h,i)perylene	ND	20.3		µg/Kg-dry	1	8/31/2021 7:50:35 PM
Surr: 2-Fluorobiphenyl	64.9	27.9 - 129		%Rec	1	8/31/2021 7:50:35 PM
Surr: Terphenyl-d14 (surr)	68.7	39.1 - 145		%Rec	1	8/31/2021 7:50:35 PM
Gasoline by NWTPH-Gx				Batch ID: 33577		Analyst: KT
Gasoline	ND	6.40		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Surr: Toluene-d8	96.2	65 - 135		%Rec	1	9/2/2021 8:42:18 PM
Surr: 4-Bromofluorobenzene	87.6	65 - 135		%Rec	1	9/2/2021 8:42:18 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0640		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Chloromethane	ND	0.102		mg/Kg-dry	1	9/2/2021 8:42:18 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/30/2021 2:00:00 PM
Project: Swedish Block 95
Lab ID: 2108428-019
Matrix: Soil
Client Sample ID: B95-AB-10-5

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33577 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0320		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Bromomethane	ND	0.192		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Trichlorofluoromethane (CFC-11)	ND	0.0640		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Chloroethane	ND	0.154		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,1-Dichloroethene	ND	0.128		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Acetone	ND	0.640		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Methylene chloride	ND	0.0192		mg/Kg-dry	1	9/2/2021 8:42:18 PM
trans-1,2-Dichloroethene	ND	0.0384		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Methyl tert-butyl ether (MTBE)	ND	0.0384		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,1-Dichloroethane	ND	0.0320		mg/Kg-dry	1	9/2/2021 8:42:18 PM
cis-1,2-Dichloroethene	ND	0.0320		mg/Kg-dry	1	9/2/2021 8:42:18 PM
(MEK) 2-Butanone	ND	0.576		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Chloroform	ND	0.0320		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,1,1-Trichloroethane (TCA)	ND	0.0320		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,1-Dichloropropene	ND	0.0320		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Carbon tetrachloride	ND	0.0960		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,2-Dichloroethane (EDC)	ND	0.0294		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Benzene	ND	0.0256		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Trichloroethene (TCE)	ND	0.0256		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,2-Dichloropropane	ND	0.0256		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Bromodichloromethane	ND	0.0320		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Dibromomethane	ND	0.0256		mg/Kg-dry	1	9/2/2021 8:42:18 PM
cis-1,3-Dichloropropene	ND	0.102		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Toluene	ND	0.0384		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Trans-1,3-Dichloropropylene	ND	0.0640		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0960		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,1,2-Trichloroethane	ND	0.0218		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,3-Dichloropropane	ND	0.0256		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Tetrachloroethene (PCE)	ND	0.0512		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Dibromochloromethane	ND	0.0256		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,2-Dibromoethane (EDB)	ND	0.0128		mg/Kg-dry	1	9/2/2021 8:42:18 PM
2-Hexanone (MBK)	ND	0.0768		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Chlorobenzene	ND	0.0320		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,1,1,2-Tetrachloroethane	ND	0.0256		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Ethylbenzene	ND	0.0320		mg/Kg-dry	1	9/2/2021 8:42:18 PM
m,p-Xylene	ND	0.0640		mg/Kg-dry	1	9/2/2021 8:42:18 PM
o-Xylene	ND	0.0320		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Styrene	ND	0.0320		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Isopropylbenzene	ND	0.0384		mg/Kg-dry	1	9/2/2021 8:42:18 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-019
Client Sample ID: B95-AB-10-5

Collection Date: 8/30/2021 2:00:00 PM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Bromoform	ND	0.0320		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,1,2,2-Tetrachloroethane	ND	0.0192		mg/Kg-dry	1	9/2/2021 8:42:18 PM
n-Propylbenzene	ND	0.0384		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Bromobenzene	ND	0.0384		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,3,5-Trimethylbenzene	ND	0.0320		mg/Kg-dry	1	9/2/2021 8:42:18 PM
2-Chlorotoluene	ND	0.0384		mg/Kg-dry	1	9/2/2021 8:42:18 PM
4-Chlorotoluene	ND	0.0384		mg/Kg-dry	1	9/2/2021 8:42:18 PM
tert-Butylbenzene	ND	0.0384		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,2,3-Trichloropropane	ND	0.0320		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,2,4-Trichlorobenzene	ND	0.0512		mg/Kg-dry	1	9/2/2021 8:42:18 PM
sec-Butylbenzene	ND	0.0384		mg/Kg-dry	1	9/2/2021 8:42:18 PM
4-Isopropyltoluene	ND	0.0384		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,3-Dichlorobenzene	ND	0.0448		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,4-Dichlorobenzene	ND	0.0384		mg/Kg-dry	1	9/2/2021 8:42:18 PM
n-Butylbenzene	ND	0.0512		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,2-Dichlorobenzene	ND	0.0384		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,2-Dibromo-3-chloropropane	ND	0.0768		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,2,4-Trimethylbenzene	ND	0.0320		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Hexachloro-1,3-butadiene	ND	0.0640		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Naphthalene	ND	0.128		mg/Kg-dry	1	9/2/2021 8:42:18 PM
1,2,3-Trichlorobenzene	ND	0.0640		mg/Kg-dry	1	9/2/2021 8:42:18 PM
Surr: Dibromofluoromethane	98.4	75.5 - 119		%Rec	1	9/2/2021 8:42:18 PM
Surr: Toluene-d8	98.4	82.4 - 115		%Rec	1	9/2/2021 8:42:18 PM
Surr: 1-Bromo-4-fluorobenzene	88.2	78.5 - 118		%Rec	1	9/2/2021 8:42:18 PM
Total Metals by EPA Method 6020B				Batch ID: 33564		Analyst: EH
Arsenic	4.17	0.0957		mg/Kg-dry	1	9/3/2021 7:35:49 PM
Sample Moisture (Percent Moisture)				Batch ID: R69599		Analyst: ALB
Percent Moisture	8.44	0.500		wt%	1	8/31/2021 10:34:37 AM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/30/2021 2:14:00 PM
Project: Swedish Block 95
Lab ID: 2108428-022
Matrix: Soil
Client Sample ID: B95-AB-10-15

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33571		Analyst: MM
Diesel (Fuel Oil)	ND	54.1		mg/Kg-dry	1	9/2/2021 6:54:52 PM
Heavy Oil	ND	108		mg/Kg-dry	1	9/2/2021 6:54:52 PM
Total Petroleum Hydrocarbons	ND	162		mg/Kg-dry	1	9/2/2021 6:54:52 PM
Surr: 2-Fluorobiphenyl	82.7	50 - 150		%Rec	1	9/2/2021 6:54:52 PM
Surr: o-Terphenyl	86.4	50 - 150		%Rec	1	9/2/2021 6:54:52 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33557		Analyst: SB
Naphthalene	ND	21.6		µg/Kg-dry	1	8/31/2021 8:12:03 PM
2-Methylnaphthalene	ND	21.6		µg/Kg-dry	1	8/31/2021 8:12:03 PM
1-Methylnaphthalene	ND	21.6		µg/Kg-dry	1	8/31/2021 8:12:03 PM
Acenaphthylene	ND	21.6		µg/Kg-dry	1	8/31/2021 8:12:03 PM
Acenaphthene	ND	21.6		µg/Kg-dry	1	8/31/2021 8:12:03 PM
Fluorene	ND	21.6		µg/Kg-dry	1	8/31/2021 8:12:03 PM
Phenanthrene	ND	43.2		µg/Kg-dry	1	8/31/2021 8:12:03 PM
Anthracene	ND	43.2		µg/Kg-dry	1	8/31/2021 8:12:03 PM
Fluoranthene	ND	43.2		µg/Kg-dry	1	8/31/2021 8:12:03 PM
Pyrene	ND	43.2		µg/Kg-dry	1	8/31/2021 8:12:03 PM
Benz(a)anthracene	ND	21.6		µg/Kg-dry	1	8/31/2021 8:12:03 PM
Chrysene	ND	43.2		µg/Kg-dry	1	8/31/2021 8:12:03 PM
Benzo(b)fluoranthene	ND	21.6		µg/Kg-dry	1	8/31/2021 8:12:03 PM
Benzo(k)fluoranthene	ND	21.6		µg/Kg-dry	1	8/31/2021 8:12:03 PM
Benzo(a)pyrene	ND	21.6		µg/Kg-dry	1	8/31/2021 8:12:03 PM
Indeno(1,2,3-cd)pyrene	ND	43.2		µg/Kg-dry	1	8/31/2021 8:12:03 PM
Dibenz(a,h)anthracene	ND	43.2		µg/Kg-dry	1	8/31/2021 8:12:03 PM
Benzo(g,h,i)perylene	ND	21.6		µg/Kg-dry	1	8/31/2021 8:12:03 PM
Surr: 2-Fluorobiphenyl	58.6	27.9 - 129		%Rec	1	8/31/2021 8:12:03 PM
Surr: Terphenyl-d14 (surr)	64.1	39.1 - 145		%Rec	1	8/31/2021 8:12:03 PM
Gasoline by NWTPH-Gx				Batch ID: 33577		Analyst: KT
Gasoline	ND	5.50		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Surr: Toluene-d8	96.7	65 - 135		%Rec	1	9/2/2021 9:12:26 PM
Surr: 4-Bromofluorobenzene	86.9	65 - 135		%Rec	1	9/2/2021 9:12:26 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0550		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Chloromethane	ND	0.0880		mg/Kg-dry	1	9/2/2021 9:12:26 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-022
Client Sample ID: **B95-AB-10-15**

Collection Date: 8/30/2021 2:14:00 PM
Matrix: Soil

Volatile Organic Compounds by EPA Method 8260D Batch ID: 33577 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0275		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Bromomethane	ND	0.165		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Trichlorofluoromethane (CFC-11)	ND	0.0550		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Chloroethane	ND	0.132		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,1-Dichloroethene	ND	0.110		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Acetone	ND	0.550		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Methylene chloride	ND	0.0165		mg/Kg-dry	1	9/2/2021 9:12:26 PM
trans-1,2-Dichloroethene	ND	0.0330		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Methyl tert-butyl ether (MTBE)	ND	0.0330		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,1-Dichloroethane	ND	0.0275		mg/Kg-dry	1	9/2/2021 9:12:26 PM
cis-1,2-Dichloroethene	ND	0.0275		mg/Kg-dry	1	9/2/2021 9:12:26 PM
(MEK) 2-Butanone	ND	0.495		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Chloroform	ND	0.0275		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,1,1-Trichloroethane (TCA)	ND	0.0275		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,1-Dichloropropene	ND	0.0275		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Carbon tetrachloride	ND	0.0825		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,2-Dichloroethane (EDC)	ND	0.0253		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Benzene	ND	0.0220		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Trichloroethene (TCE)	ND	0.0220		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,2-Dichloropropane	ND	0.0220		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Bromodichloromethane	ND	0.0275		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Dibromomethane	ND	0.0220		mg/Kg-dry	1	9/2/2021 9:12:26 PM
cis-1,3-Dichloropropene	ND	0.0880		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Toluene	ND	0.0330		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Trans-1,3-Dichloropropylene	ND	0.0550		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0825		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,1,2-Trichloroethane	ND	0.0187		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,3-Dichloropropane	ND	0.0220		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Tetrachloroethene (PCE)	ND	0.0440		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Dibromochloromethane	ND	0.0220		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,2-Dibromoethane (EDB)	ND	0.0110		mg/Kg-dry	1	9/2/2021 9:12:26 PM
2-Hexanone (MBK)	ND	0.0660		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Chlorobenzene	ND	0.0275		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,1,1,2-Tetrachloroethane	ND	0.0220		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Ethylbenzene	ND	0.0275		mg/Kg-dry	1	9/2/2021 9:12:26 PM
m,p-Xylene	ND	0.0550		mg/Kg-dry	1	9/2/2021 9:12:26 PM
o-Xylene	ND	0.0275		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Styrene	ND	0.0275		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Isopropylbenzene	ND	0.0330		mg/Kg-dry	1	9/2/2021 9:12:26 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-022
Client Sample ID: B95-AB-10-15

Collection Date: 8/30/2021 2:14:00 PM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Bromoform	ND	0.0275		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,1,2,2-Tetrachloroethane	ND	0.0165		mg/Kg-dry	1	9/2/2021 9:12:26 PM
n-Propylbenzene	ND	0.0330		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Bromobenzene	ND	0.0330		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,3,5-Trimethylbenzene	ND	0.0275		mg/Kg-dry	1	9/2/2021 9:12:26 PM
2-Chlorotoluene	ND	0.0330		mg/Kg-dry	1	9/2/2021 9:12:26 PM
4-Chlorotoluene	ND	0.0330		mg/Kg-dry	1	9/2/2021 9:12:26 PM
tert-Butylbenzene	ND	0.0330		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,2,3-Trichloropropane	ND	0.0275		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,2,4-Trichlorobenzene	ND	0.0440		mg/Kg-dry	1	9/2/2021 9:12:26 PM
sec-Butylbenzene	ND	0.0330		mg/Kg-dry	1	9/2/2021 9:12:26 PM
4-Isopropyltoluene	ND	0.0330		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,3-Dichlorobenzene	ND	0.0385		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,4-Dichlorobenzene	ND	0.0330		mg/Kg-dry	1	9/2/2021 9:12:26 PM
n-Butylbenzene	ND	0.0440		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,2-Dichlorobenzene	ND	0.0330		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,2-Dibromo-3-chloropropane	ND	0.0660		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,2,4-Trimethylbenzene	ND	0.0275		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Hexachloro-1,3-butadiene	ND	0.0550		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Naphthalene	ND	0.110		mg/Kg-dry	1	9/2/2021 9:12:26 PM
1,2,3-Trichlorobenzene	ND	0.0550		mg/Kg-dry	1	9/2/2021 9:12:26 PM
Surr: Dibromofluoromethane	99.5	75.5 - 119		%Rec	1	9/2/2021 9:12:26 PM
Surr: Toluene-d8	98.2	82.4 - 115		%Rec	1	9/2/2021 9:12:26 PM
Surr: 1-Bromo-4-fluorobenzene	87.6	78.5 - 118		%Rec	1	9/2/2021 9:12:26 PM
Total Metals by EPA Method 6020B				Batch ID: 33564		Analyst: EH
Arsenic	2.91	0.105		mg/Kg-dry	1	9/3/2021 7:41:23 PM
Sample Moisture (Percent Moisture)				Batch ID: R69599		Analyst: ALB
Percent Moisture	10.4	0.500		wt%	1	8/31/2021 10:34:37 AM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Collection Date: 8/30/2021 2:32:00 PM
Project: Swedish Block 95
Lab ID: 2108428-025
Matrix: Soil
Client Sample ID: B95-AB-10-30

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 33571		Analyst: MM
Diesel (Fuel Oil)	ND	52.6		mg/Kg-dry	1	9/2/2021 7:07:45 PM
Heavy Oil	ND	105		mg/Kg-dry	1	9/2/2021 7:07:45 PM
Total Petroleum Hydrocarbons	ND	158		mg/Kg-dry	1	9/2/2021 7:07:45 PM
Surr: 2-Fluorobiphenyl	77.3	50 - 150		%Rec	1	9/2/2021 7:07:45 PM
Surr: o-Terphenyl	91.3	50 - 150		%Rec	1	9/2/2021 7:07:45 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 33557		Analyst: SB
Naphthalene	ND	20.3		µg/Kg-dry	1	8/31/2021 8:33:25 PM
2-Methylnaphthalene	ND	20.3		µg/Kg-dry	1	8/31/2021 8:33:25 PM
1-Methylnaphthalene	ND	20.3		µg/Kg-dry	1	8/31/2021 8:33:25 PM
Acenaphthylene	ND	20.3		µg/Kg-dry	1	8/31/2021 8:33:25 PM
Acenaphthene	ND	20.3		µg/Kg-dry	1	8/31/2021 8:33:25 PM
Fluorene	ND	20.3		µg/Kg-dry	1	8/31/2021 8:33:25 PM
Phenanthrene	ND	40.6		µg/Kg-dry	1	8/31/2021 8:33:25 PM
Anthracene	ND	40.6		µg/Kg-dry	1	8/31/2021 8:33:25 PM
Fluoranthene	ND	40.6		µg/Kg-dry	1	8/31/2021 8:33:25 PM
Pyrene	ND	40.6		µg/Kg-dry	1	8/31/2021 8:33:25 PM
Benz(a)anthracene	ND	20.3		µg/Kg-dry	1	8/31/2021 8:33:25 PM
Chrysene	ND	40.6		µg/Kg-dry	1	8/31/2021 8:33:25 PM
Benzo(b)fluoranthene	ND	20.3		µg/Kg-dry	1	8/31/2021 8:33:25 PM
Benzo(k)fluoranthene	ND	20.3		µg/Kg-dry	1	8/31/2021 8:33:25 PM
Benzo(a)pyrene	ND	20.3		µg/Kg-dry	1	8/31/2021 8:33:25 PM
Indeno(1,2,3-cd)pyrene	ND	40.6		µg/Kg-dry	1	8/31/2021 8:33:25 PM
Dibenz(a,h)anthracene	ND	40.6		µg/Kg-dry	1	8/31/2021 8:33:25 PM
Benzo(g,h,i)perylene	ND	20.3		µg/Kg-dry	1	8/31/2021 8:33:25 PM
Surr: 2-Fluorobiphenyl	78.6	27.9 - 129		%Rec	1	8/31/2021 8:33:25 PM
Surr: Terphenyl-d14 (surr)	82.4	39.1 - 145		%Rec	1	8/31/2021 8:33:25 PM
Gasoline by NWTPH-Gx				Batch ID: 33577		Analyst: KT
Gasoline	ND	6.02		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Surr: Toluene-d8	96.1	65 - 135		%Rec	1	9/2/2021 9:42:34 PM
Surr: 4-Bromofluorobenzene	86.9	65 - 135		%Rec	1	9/2/2021 9:42:34 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Dichlorodifluoromethane (CFC-12)	ND	0.0602		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Chloromethane	ND	0.0964		mg/Kg-dry	1	9/2/2021 9:42:34 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-025
Client Sample ID: **B95-AB-10-30**

Collection Date: 8/30/2021 2:32:00 PM
Matrix: Soil

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 33577 Analyst: KT

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Vinyl chloride	ND	0.0301		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Bromomethane	ND	0.181		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Trichlorofluoromethane (CFC-11)	ND	0.0602		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Chloroethane	ND	0.145		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,1-Dichloroethene	ND	0.120		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Acetone	ND	0.602		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Methylene chloride	ND	0.0181		mg/Kg-dry	1	9/2/2021 9:42:34 PM
trans-1,2-Dichloroethene	ND	0.0361		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Methyl tert-butyl ether (MTBE)	ND	0.0361		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,1-Dichloroethane	ND	0.0301		mg/Kg-dry	1	9/2/2021 9:42:34 PM
cis-1,2-Dichloroethene	ND	0.0301		mg/Kg-dry	1	9/2/2021 9:42:34 PM
(MEK) 2-Butanone	ND	0.542		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Chloroform	ND	0.0301		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,1,1-Trichloroethane (TCA)	ND	0.0301		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,1-Dichloropropene	ND	0.0301		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Carbon tetrachloride	ND	0.0904		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,2-Dichloroethane (EDC)	ND	0.0277		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Benzene	ND	0.0241		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Trichloroethene (TCE)	ND	0.0241		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,2-Dichloropropane	ND	0.0241		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Bromodichloromethane	ND	0.0301		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Dibromomethane	ND	0.0241		mg/Kg-dry	1	9/2/2021 9:42:34 PM
cis-1,3-Dichloropropene	ND	0.0964		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Toluene	ND	0.0361		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Trans-1,3-Dichloropropylene	ND	0.0602		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Methyl Isobutyl Ketone (MIBK)	ND	0.0904		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,1,2-Trichloroethane	ND	0.0205		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,3-Dichloropropane	ND	0.0241		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Tetrachloroethene (PCE)	ND	0.0482		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Dibromochloromethane	ND	0.0241		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,2-Dibromoethane (EDB)	ND	0.0120		mg/Kg-dry	1	9/2/2021 9:42:34 PM
2-Hexanone (MBK)	ND	0.0723		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Chlorobenzene	ND	0.0301		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,1,1,2-Tetrachloroethane	ND	0.0241		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Ethylbenzene	ND	0.0301		mg/Kg-dry	1	9/2/2021 9:42:34 PM
m,p-Xylene	ND	0.0602		mg/Kg-dry	1	9/2/2021 9:42:34 PM
o-Xylene	ND	0.0301		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Styrene	ND	0.0301		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Isopropylbenzene	ND	0.0361		mg/Kg-dry	1	9/2/2021 9:42:34 PM

Analytical Report

Work Order: **2108428**
Date Reported: **9/7/2021**

Client: Aspect Consulting
Project: Swedish Block 95
Lab ID: 2108428-025
Client Sample ID: **B95-AB-10-30**

Collection Date: 8/30/2021 2:32:00 PM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 33577		Analyst: KT
Bromoform	ND	0.0301		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,1,2,2-Tetrachloroethane	ND	0.0181		mg/Kg-dry	1	9/2/2021 9:42:34 PM
n-Propylbenzene	ND	0.0361		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Bromobenzene	ND	0.0361		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,3,5-Trimethylbenzene	ND	0.0301		mg/Kg-dry	1	9/2/2021 9:42:34 PM
2-Chlorotoluene	ND	0.0361		mg/Kg-dry	1	9/2/2021 9:42:34 PM
4-Chlorotoluene	ND	0.0361		mg/Kg-dry	1	9/2/2021 9:42:34 PM
tert-Butylbenzene	ND	0.0361		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,2,3-Trichloropropane	ND	0.0301		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,2,4-Trichlorobenzene	ND	0.0482		mg/Kg-dry	1	9/2/2021 9:42:34 PM
sec-Butylbenzene	ND	0.0361		mg/Kg-dry	1	9/2/2021 9:42:34 PM
4-Isopropyltoluene	ND	0.0361		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,3-Dichlorobenzene	ND	0.0422		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,4-Dichlorobenzene	ND	0.0361		mg/Kg-dry	1	9/2/2021 9:42:34 PM
n-Butylbenzene	ND	0.0482		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,2-Dichlorobenzene	ND	0.0361		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,2-Dibromo-3-chloropropane	ND	0.0723		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,2,4-Trimethylbenzene	ND	0.0301		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Hexachloro-1,3-butadiene	ND	0.0602		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Naphthalene	ND	0.120		mg/Kg-dry	1	9/2/2021 9:42:34 PM
1,2,3-Trichlorobenzene	ND	0.0602		mg/Kg-dry	1	9/2/2021 9:42:34 PM
Surr: Dibromofluoromethane	98.7	75.5 - 119		%Rec	1	9/2/2021 9:42:34 PM
Surr: Toluene-d8	97.6	82.4 - 115		%Rec	1	9/2/2021 9:42:34 PM
Surr: 1-Bromo-4-fluorobenzene	87.5	78.5 - 118		%Rec	1	9/2/2021 9:42:34 PM
Total Metals by EPA Method 6020B				Batch ID: 33564		Analyst: EH
Arsenic	2.76	0.0961		mg/Kg-dry	1	9/3/2021 7:46:57 PM
Sample Moisture (Percent Moisture)				Batch ID: R69599		Analyst: ALB
Percent Moisture	10.8	0.500		wt%	1	8/31/2021 10:34:37 AM

Date: *9/7/2021*

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-33564** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/1/2021** RunNo: **69731**
Client ID: **MBLKS** Batch ID: **33564** Analysis Date: **9/3/2021** SeqNo: **1413568**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0916									

Sample ID: **LCS-33564** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/1/2021** RunNo: **69731**
Client ID: **LCSS** Batch ID: **33564** Analysis Date: **9/3/2021** SeqNo: **1413569**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	38.6	0.0930	38.76	0	99.6	80	120				

Sample ID: **2108428-009AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69731**
Client ID: **B95-AB-23-45** Batch ID: **33564** Analysis Date: **9/3/2021** SeqNo: **1413572**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	46.0	0.104	43.29	3.481	98.3	75	125				

Sample ID: **2108428-009AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69731**
Client ID: **B95-AB-23-45** Batch ID: **33564** Analysis Date: **9/3/2021** SeqNo: **1413575**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	44.1	0.0916	38.18	3.481	106	75	125	46.02	4.19	20	

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **LCS-33571** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/1/2021** RunNo: **69689**
Client ID: **LCSS** Batch ID: **33571** Analysis Date: **9/2/2021** SeqNo: **1412615**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	537	150	500.0	0	107	77.2	122				
Surr: 2-Fluorobiphenyl	7.71		10.00		77.1	50	150				
Surr: o-Terphenyl	10.0		10.00		100	50	150				

Sample ID: **MB-33571** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/1/2021** RunNo: **69689**
Client ID: **MBLKS** Batch ID: **33571** Analysis Date: **9/2/2021** SeqNo: **1412616**

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	8.44		10.00		84.4	50	150				
Surr: o-Terphenyl	8.81		10.00		88.1	50	150				

Sample ID: **2108402-053AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69689**
Client ID: **BATCH** Batch ID: **33571** Analysis Date: **9/2/2021** SeqNo: **1412623**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	637	168	560.4	0	114	68	132				
Surr: 2-Fluorobiphenyl	8.80		11.21		78.5	50	150				
Surr: o-Terphenyl	13.5		11.21		120	50	150				

Sample ID: **2108402-053AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69689**
Client ID: **BATCH** Batch ID: **33571** Analysis Date: **9/2/2021** SeqNo: **1412624**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	565	168	561.0	0	101	68	132	637.0	12.0	30	
Surr: 2-Fluorobiphenyl	8.04		11.22		71.7	50	150		0		
Surr: o-Terphenyl	12.2		11.22		108	50	150		0		

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2108402-053AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69689**
Client ID: **BATCH** Batch ID: **33571** Analysis Date: **9/2/2021** SeqNo: **1412624**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2108428-002ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/1/2021** RunNo: **69689**
Client ID: **B95-AB-23-10** Batch ID: **33571** Analysis Date: **9/2/2021** SeqNo: **1412626**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	55.3						0		30	
Heavy Oil	ND	111						0		30	
Total Petroleum Hydrocarbons	ND	166						0		30	
Surr: 2-Fluorobiphenyl	9.16		11.05		82.9	50	150		0		
Surr: o-Terphenyl	10.1		11.05		91.1	50	150		0		

Date: *9/7/2021*

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **MB-33557** SampType: **MBLK** Units: **µg/Kg** Prep Date: **8/31/2021** RunNo: **69636**
Client ID: **MBLKS** Batch ID: **33557** Analysis Date: **8/31/2021** SeqNo: **1411543**

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	891		1,000		89.1	27.9	129				
Surr: Terphenyl-d14 (surr)	988		1,000		98.8	39.1	145				

Sample ID: **LCS-33557** SampType: **LCS** Units: **µg/Kg** Prep Date: **8/31/2021** RunNo: **69636**
Client ID: **LCSS** Batch ID: **33557** Analysis Date: **8/31/2021** SeqNo: **1411544**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,710	20.0	2,000	0	85.6	61	110				
2-Methylnaphthalene	1,680	20.0	2,000	0	83.8	60	115				
1-Methylnaphthalene	1,720	20.0	2,000	0	86.2	63	112				
Acenaphthylene	1,720	20.0	2,000	0	86.2	57.4	113				
Acenaphthene	1,630	20.0	2,000	0	81.5	58.7	108				

Date: *9/7/2021*

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **LCS-33557** SampType: **LCS** Units: **µg/Kg** Prep Date: **8/31/2021** RunNo: **69636**
Client ID: **LCSS** Batch ID: **33557** Analysis Date: **8/31/2021** SeqNo: **1411544**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	1,750	20.0	2,000	0	87.7	63	110				
Phenanthrene	1,630	40.0	2,000	0	81.4	60.3	111				
Anthracene	1,640	40.0	2,000	0	81.9	60.4	110				
Fluoranthene	1,690	40.0	2,000	0	84.5	62.3	115				
Pyrene	1,640	40.0	2,000	0	82.1	59.7	115				
Benz(a)anthracene	1,740	20.0	2,000	0	86.9	64.4	113				
Chrysene	1,640	40.0	2,000	0	82.0	57.3	113				
Benzo(b)fluoranthene	1,780	20.0	2,000	0	88.9	58.2	115				
Benzo(k)fluoranthene	1,700	20.0	2,000	0	84.9	53.4	121				
Benzo(a)pyrene	1,840	20.0	2,000	0	92.1	64.7	125				
Indeno(1,2,3-cd)pyrene	1,620	40.0	2,000	0	81.0	61.6	113				
Dibenz(a,h)anthracene	1,690	40.0	2,000	0	84.4	62.1	116				
Benzo(g,h,i)perylene	1,690	20.0	2,000	0	84.5	55.4	111				
Surr: 2-Fluorobiphenyl	997		1,000		99.7	27.9	129				
Surr: Terphenyl-d14 (surr)	1,020		1,000		102	39.1	145				

Sample ID: **2108428-025AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **8/31/2021** RunNo: **69636**
Client ID: **B95-AB-10-30** Batch ID: **33557** Analysis Date: **8/31/2021** SeqNo: **1411559**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,380	20.6	2,062	0	66.8	35.2	107				
2-Methylnaphthalene	1,360	20.6	2,062	0	66.2	43.9	106				
1-Methylnaphthalene	1,380	20.6	2,062	0	67.1	46.4	105				
Acenaphthylene	1,420	20.6	2,062	0	69.0	42.7	104				
Acenaphthene	1,360	20.6	2,062	0	65.8	43.7	102				
Fluorene	1,450	20.6	2,062	0	70.2	46.8	106				
Phenanthrene	1,390	41.2	2,062	0	67.3	43.8	109				
Anthracene	1,390	41.2	2,062	0	67.4	45.2	107				
Fluoranthene	1,430	41.2	2,062	0	69.2	44.9	111				
Pyrene	1,380	41.2	2,062	16.11	66.0	41.8	109				

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2108428-025AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **8/31/2021** RunNo: **69636**
Client ID: **B95-AB-10-30** Batch ID: **33557** Analysis Date: **8/31/2021** SeqNo: **1411559**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,500	20.6	2,062	0	72.7	45	110				
Chrysene	1,380	41.2	2,062	0	66.9	42.4	106				
Benzo(b)fluoranthene	1,370	20.6	2,062	0	66.6	43.7	108				
Benzo(k)fluoranthene	1,500	20.6	2,062	0	72.9	39.5	113				
Benzo(a)pyrene	1,500	20.6	2,062	0	72.6	44.1	122				
Indeno(1,2,3-cd)pyrene	1,370	41.2	2,062	0	66.4	40.2	109				
Dibenz(a,h)anthracene	1,430	41.2	2,062	0	69.4	31.4	126				
Benzo(g,h,i)perylene	1,420	20.6	2,062	18.09	67.8	28.8	108				
Surr: 2-Fluorobiphenyl	683		1,031		66.3	27.9	129				
Surr: Terphenyl-d14 (surr)	719		1,031		69.8	39.1	145				

Sample ID: **2108428-025AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **8/31/2021** RunNo: **69636**
Client ID: **B95-AB-10-30** Batch ID: **33557** Analysis Date: **8/31/2021** SeqNo: **1411560**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,580	20.6	2,058	0	77.0	35.2	107	1,378	14.0	30	
2-Methylnaphthalene	1,580	20.6	2,058	0	77.0	43.9	106	1,365	14.9	30	
1-Methylnaphthalene	1,650	20.6	2,058	0	79.9	46.4	105	1,383	17.4	30	
Acenaphthylene	1,680	20.6	2,058	0	81.8	42.7	104	1,423	16.8	30	
Acenaphthene	1,580	20.6	2,058	0	76.9	43.7	102	1,356	15.4	30	
Fluorene	1,710	20.6	2,058	0	82.9	46.8	106	1,447	16.4	30	
Phenanthrene	1,610	41.2	2,058	0	78.0	43.8	109	1,387	14.5	30	
Anthracene	1,620	41.2	2,058	0	78.6	45.2	107	1,390	15.1	30	
Fluoranthene	1,640	41.2	2,058	0	79.9	44.9	111	1,427	14.1	30	
Pyrene	1,590	41.2	2,058	16.11	76.5	41.8	109	1,377	14.4	30	
Benz(a)anthracene	1,730	20.6	2,058	0	84.1	45	110	1,499	14.4	30	
Chrysene	1,580	41.2	2,058	0	76.9	42.4	106	1,380	13.7	30	
Benzo(b)fluoranthene	1,490	20.6	2,058	0	72.3	43.7	108	1,374	7.93	30	
Benzo(k)fluoranthene	1,800	20.6	2,058	0	87.2	39.5	113	1,503	17.7	30	
Benzo(a)pyrene	1,750	20.6	2,058	0	85.1	44.1	122	1,496	15.7	30	

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2108428-025AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **8/31/2021** RunNo: **69636**
Client ID: **B95-AB-10-30** Batch ID: **33557** Analysis Date: **8/31/2021** SeqNo: **1411560**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	1,540	41.2	2,058	0	74.9	40.2	109	1,370	11.8	30	
Dibenz(a,h)anthracene	1,610	41.2	2,058	0	78.3	31.4	126	1,431	11.8	30	
Benzo(g,h,i)perylene	1,600	20.6	2,058	18.09	76.9	28.8	108	1,415	12.3	30	
Surr: 2-Fluorobiphenyl	832		1,029		80.8	27.9	129		0		
Surr: Terphenyl-d14 (surr)	817		1,029		79.4	39.1	145		0		

Date: *9/7/2021*

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-33577** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/2/2021** RunNo: **69724**
Client ID: **LCSS** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413406**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	23.9	5.00	25.00	0	95.6	65	135				
Surr: Toluene-d8	1.26		1.250		101	65	135				
Surr: 4-Bromofluorobenzene	1.37		1.250		110	65	135				

Sample ID: **MB-33577** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/2/2021** RunNo: **69724**
Client ID: **MBLKS** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413407**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.22		1.250		97.5	65	135				
Surr: 4-Bromofluorobenzene	1.09		1.250		87.5	65	135				

Sample ID: **2108428-002BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69724**
Client ID: **B95-AB-23-10** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413387**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.29						0		30	
Surr: Toluene-d8	1.23		1.322		93.4	65	135		0		
Surr: 4-Bromofluorobenzene	1.16		1.322		87.7	65	135		0		

Sample ID: **2108428-005BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69724**
Client ID: **B95-AB-23-25** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413390**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	6.45						0		30	
Surr: Toluene-d8	1.55		1.613		96.1	65	135		0		
Surr: 4-Bromofluorobenzene	1.41		1.613		87.4	65	135		0		

Date: *9/7/2021*

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2108428-006BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69724**
Client ID: **B95-AB-23-30** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413392**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	23.4	5.77	28.86	0	81.0	65	135				
Surr: Toluene-d8	1.44		1.443		100	65	135				
Surr: 4-Bromofluorobenzene	1.51		1.443		105	65	135				

Date: *9/7/2021*

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-33577** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/2/2021** RunNo: **69723**
Client ID: **LCSS** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413384**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.08	0.0500	1.000	0	108	80	120				
Chloromethane	1.00	0.0800	1.000	0	100	80	120				
Vinyl chloride	0.941	0.0250	1.000	0	94.1	80	120				
Bromomethane	0.995	0.150	1.000	0	99.5	80	120				
Trichlorofluoromethane (CFC-11)	0.907	0.0500	1.000	0	90.7	80	120				
Chloroethane	0.938	0.120	1.000	0	93.8	80	120				
1,1-Dichloroethene	0.891	0.100	1.000	0	89.1	80	120				
Acetone	2.67	0.500	2.500	0	107	80	120				
Methylene chloride	1.03	0.0150	1.000	0	103	80	120				
trans-1,2-Dichloroethene	0.950	0.0300	1.000	0	95.0	80	120				
Methyl tert-butyl ether (MTBE)	0.988	0.0300	1.000	0	98.8	80	120				
1,1-Dichloroethane	0.978	0.0250	1.000	0	97.8	80	120				
cis-1,2-Dichloroethene	0.983	0.0250	1.000	0	98.3	80	120				
(MEK) 2-Butanone	2.38	0.450	2.500	0	95.2	80	120				
Chloroform	0.989	0.0250	1.000	0	98.9	80	120				
1,1,1-Trichloroethane (TCA)	0.878	0.0250	1.000	0	87.8	80	120				
1,1-Dichloropropene	0.870	0.0250	1.000	0	87.0	80	120				
Carbon tetrachloride	0.860	0.0750	1.000	0	86.0	80	120				
1,2-Dichloroethane (EDC)	1.03	0.0230	1.000	0	103	80	120				
Benzene	0.887	0.0200	1.000	0	88.7	80	120				
Trichloroethene (TCE)	0.829	0.0200	1.000	0	82.9	80	120				
1,2-Dichloropropane	0.911	0.0200	1.000	0	91.1	80	120				
Bromodichloromethane	0.952	0.0250	1.000	0	95.2	80	120				
Dibromomethane	1.06	0.0200	1.000	0	106	80	120				
cis-1,3-Dichloropropene	0.971	0.0800	1.000	0	97.1	80	120				
Toluene	0.926	0.0300	1.000	0	92.6	80	120				
Trans-1,3-Dichloropropylene	0.925	0.0500	1.000	0	92.5	80	120				
Methyl Isobutyl Ketone (MIBK)	2.47	0.0750	2.500	0	98.6	80	120				
1,1,2-Trichloroethane	0.951	0.0170	1.000	0	95.1	80	120				
1,3-Dichloropropane	0.945	0.0200	1.000	0	94.5	80	120				

Date: *9/7/2021*

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-33577** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/2/2021** RunNo: **69723**
Client ID: **LCSS** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413384**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	0.874	0.0400	1.000	0	87.4	80	120				
Dibromochloromethane	0.935	0.0200	1.000	0	93.5	80	120				
1,2-Dibromoethane (EDB)	0.949	0.0100	1.000	0	94.9	80	120				
2-Hexanone (MBK)	2.57	0.0600	2.500	0	103	80	120				
Chlorobenzene	0.897	0.0250	1.000	0	89.7	80	120				
1,1,1,2-Tetrachloroethane	0.855	0.0200	1.000	0	85.5	80	120				
Ethylbenzene	0.872	0.0250	1.000	0	87.2	80	120				
m,p-Xylene	1.77	0.0500	2.000	0	88.7	80	120				
o-Xylene	0.908	0.0250	1.000	0	90.8	80	120				
Styrene	0.927	0.0250	1.000	0	92.7	80	120				
Isopropylbenzene	0.864	0.0300	1.000	0	86.4	80	120				
Bromoform	0.899	0.0250	1.000	0	89.9	80	120				
1,1,2,2-Tetrachloroethane	0.974	0.0150	1.000	0	97.4	80	120				
n-Propylbenzene	0.870	0.0300	1.000	0	87.0	80	120				
Bromobenzene	0.946	0.0300	1.000	0	94.6	80	120				
1,3,5-Trimethylbenzene	0.880	0.0250	1.000	0	88.0	80	120				
2-Chlorotoluene	0.914	0.0300	1.000	0	91.4	80	120				
4-Chlorotoluene	0.925	0.0300	1.000	0	92.5	80	120				
tert-Butylbenzene	0.854	0.0300	1.000	0	85.4	80	120				
1,2,3-Trichloropropane	0.959	0.0250	1.000	0	95.9	80	120				
1,2,4-Trichlorobenzene	0.946	0.0400	1.000	0	94.6	80	120				
sec-Butylbenzene	0.840	0.0300	1.000	0	84.0	80	120				
4-Isopropyltoluene	0.862	0.0300	1.000	0	86.2	80	120				
1,3-Dichlorobenzene	0.971	0.0350	1.000	0	97.1	80	120				
1,4-Dichlorobenzene	0.975	0.0300	1.000	0	97.5	80	120				
n-Butylbenzene	0.869	0.0400	1.000	0	86.9	80	120				
1,2-Dichlorobenzene	0.999	0.0300	1.000	0	99.9	80	120				
1,2-Dibromo-3-chloropropane	1.08	0.0600	1.000	0	108	80	120				
1,2,4-Trimethylbenzene	0.907	0.0250	1.000	0	90.7	80	120				
Hexachloro-1,3-butadiene	0.802	0.0500	1.000	0	80.2	80	120				

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-33577** SampType: **LCS** Units: **mg/Kg** Prep Date: **9/2/2021** RunNo: **69723**
Client ID: **LCSS** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413384**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1.00	0.100	1.000	0	100	80	120				
1,2,3-Trichlorobenzene	0.995	0.0500	1.000	0	99.5	80	120				
Surr: Dibromofluoromethane	1.34		1.250		107	75.5	120				
Surr: Toluene-d8	1.34		1.250		107	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.40		1.250		112	78.5	120				

Sample ID: **MB-33577** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/2/2021** RunNo: **69723**
Client ID: **MBLKS** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413383**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0500									
Chloromethane	ND	0.0800									
Vinyl chloride	ND	0.0250									
Bromomethane	ND	0.150									
Trichlorofluoromethane (CFC-11)	ND	0.0500									
Chloroethane	ND	0.120									
1,1-Dichloroethene	ND	0.100									
Acetone	ND	0.500									
Methylene chloride	ND	0.0150									
trans-1,2-Dichloroethene	ND	0.0300									
Methyl tert-butyl ether (MTBE)	ND	0.0300									
1,1-Dichloroethane	ND	0.0250									
cis-1,2-Dichloroethene	ND	0.0250									
(MEK) 2-Butanone	ND	0.450									
Chloroform	ND	0.0250									
1,1,1-Trichloroethane (TCA)	ND	0.0250									
1,1-Dichloropropene	ND	0.0250									
Carbon tetrachloride	ND	0.0750									
1,2-Dichloroethane (EDC)	ND	0.0230									
Benzene	ND	0.0200									

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-33577**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **9/2/2021**	RunNo: **69723**
Client ID: **MBLKS**	Batch ID: **33577**		Analysis Date: **9/2/2021**	SeqNo: **1413383**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0250									
Dibromomethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0800									
Toluene	ND	0.0300									
Trans-1,3-Dichloropropylene	ND	0.0500									
Methyl Isobutyl Ketone (MIBK)	ND	0.0750									
1,1,2-Trichloroethane	ND	0.0170									
1,3-Dichloropropane	ND	0.0200									
Tetrachloroethene (PCE)	ND	0.0400									
Dibromochloromethane	ND	0.0200									
1,2-Dibromoethane (EDB)	ND	0.0100									
2-Hexanone (MBK)	ND	0.0600									
Chlorobenzene	ND	0.0250									
1,1,1,2-Tetrachloroethane	ND	0.0200									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0250									
Isopropylbenzene	ND	0.0300									
Bromoform	ND	0.0250									
1,1,2,2-Tetrachloroethane	ND	0.0150									
n-Propylbenzene	ND	0.0300									
Bromobenzene	ND	0.0300									
1,3,5-Trimethylbenzene	ND	0.0250									
2-Chlorotoluene	ND	0.0300									
4-Chlorotoluene	ND	0.0300									
tert-Butylbenzene	ND	0.0300									
1,2,3-Trichloropropane	ND	0.0250									

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-33577** SampType: **MBLK** Units: **mg/Kg** Prep Date: **9/2/2021** RunNo: **69723**
Client ID: **MBLKS** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413383**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.0400									
sec-Butylbenzene	ND	0.0300									
4-Isopropyltoluene	ND	0.0300									
1,3-Dichlorobenzene	ND	0.0350									
1,4-Dichlorobenzene	ND	0.0300									
n-Butylbenzene	ND	0.0400									
1,2-Dichlorobenzene	ND	0.0300									
1,2-Dibromo-3-chloropropane	ND	0.0600									
1,2,4-Trimethylbenzene	ND	0.0250									
Hexachloro-1,3-butadiene	ND	0.0500									
Naphthalene	ND	0.100									
1,2,3-Trichlorobenzene	ND	0.0500									
Surr: Dibromofluoromethane	1.23		1.250		98.0	75.5	119				
Surr: Toluene-d8	1.22		1.250		97.4	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.10		1.250		88.2	78.5	118				

Sample ID: **2108428-002BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69723**
Client ID: **B95-AB-23-10** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413364**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0529						0		30	
Chloromethane	ND	0.0846						0		30	
Vinyl chloride	ND	0.0264						0		30	
Bromomethane	ND	0.159						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0529						0		30	
Chloroethane	ND	0.127						0		30	
1,1-Dichloroethene	ND	0.106						0		30	
Acetone	ND	0.529						0		30	
Methylene chloride	ND	0.0159						0		30	
trans-1,2-Dichloroethene	ND	0.0317						0		30	

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108428-002BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69723**
Client ID: **B95-AB-23-10** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413364**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.0317						0		30	
1,1-Dichloroethane	ND	0.0264						0		30	
cis-1,2-Dichloroethene	ND	0.0264						0		30	
(MEK) 2-Butanone	ND	0.476						0		30	
Chloroform	ND	0.0264						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0264						0		30	
1,1-Dichloropropene	ND	0.0264						0		30	
Carbon tetrachloride	ND	0.0793						0		30	
1,2-Dichloroethane (EDC)	ND	0.0243						0		30	
Benzene	ND	0.0212						0		30	
Trichloroethene (TCE)	ND	0.0212						0		30	
1,2-Dichloropropane	ND	0.0212						0		30	
Bromodichloromethane	ND	0.0264						0		30	
Dibromomethane	ND	0.0212						0		30	
cis-1,3-Dichloropropene	ND	0.0846						0		30	
Toluene	ND	0.0317						0		30	
Trans-1,3-Dichloropropylene	ND	0.0529						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0793						0		30	
1,1,2-Trichloroethane	ND	0.0180						0		30	
1,3-Dichloropropane	ND	0.0212						0		30	
Tetrachloroethene (PCE)	ND	0.0423						0		30	
Dibromochloromethane	ND	0.0212						0		30	
1,2-Dibromoethane (EDB)	ND	0.0106						0		30	
2-Hexanone (MBK)	ND	0.0635						0		30	
Chlorobenzene	ND	0.0264						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0212						0		30	
Ethylbenzene	ND	0.0264						0		30	
m,p-Xylene	ND	0.0529						0		30	
o-Xylene	ND	0.0264						0		30	
Styrene	ND	0.0264						0		30	

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108428-002BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69723**
Client ID: **B95-AB-23-10** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413364**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isopropylbenzene	ND	0.0317						0		30	
Bromoform	ND	0.0264						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0159						0		30	
n-Propylbenzene	ND	0.0317						0		30	
Bromobenzene	ND	0.0317						0		30	
1,3,5-Trimethylbenzene	ND	0.0264						0		30	
2-Chlorotoluene	ND	0.0317						0		30	
4-Chlorotoluene	ND	0.0317						0		30	
tert-Butylbenzene	ND	0.0317						0		30	
1,2,3-Trichloropropane	ND	0.0264						0		30	
1,2,4-Trichlorobenzene	ND	0.0423						0		30	
sec-Butylbenzene	ND	0.0317						0		30	
4-Isopropyltoluene	ND	0.0317						0		30	
1,3-Dichlorobenzene	ND	0.0370						0		30	
1,4-Dichlorobenzene	ND	0.0317						0		30	
n-Butylbenzene	ND	0.0423						0		30	
1,2-Dichlorobenzene	ND	0.0317						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0635						0		30	
1,2,4-Trimethylbenzene	ND	0.0264						0		30	
Hexachloro-1,3-butadiene	ND	0.0529						0		30	
Naphthalene	ND	0.106						0		30	
1,2,3-Trichlorobenzene	ND	0.0529						0		30	
Surr: Dibromofluoromethane	1.32		1.322		99.8	75.5	119		0		
Surr: Toluene-d8	1.30		1.322		98.6	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.17		1.322		88.5	78.5	118		0		

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108428-005BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69723**
Client ID: **B95-AB-23-25** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413368**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0645						0		30	
Chloromethane	ND	0.103						0		30	
Vinyl chloride	ND	0.0323						0		30	
Bromomethane	ND	0.194						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0645						0		30	
Chloroethane	ND	0.155						0		30	
1,1-Dichloroethene	ND	0.129						0		30	
Acetone	ND	0.645						0		30	
Methylene chloride	ND	0.0194						0		30	
trans-1,2-Dichloroethene	ND	0.0387						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0387						0		30	
1,1-Dichloroethane	ND	0.0323						0		30	
cis-1,2-Dichloroethene	ND	0.0323						0		30	
(MEK) 2-Butanone	ND	0.581						0		30	
Chloroform	ND	0.0323						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0323						0		30	
1,1-Dichloropropene	ND	0.0323						0		30	
Carbon tetrachloride	ND	0.0968						0		30	
1,2-Dichloroethane (EDC)	ND	0.0297						0		30	
Benzene	ND	0.0258						0		30	
Trichloroethene (TCE)	ND	0.0258						0		30	
1,2-Dichloropropane	ND	0.0258						0		30	
Bromodichloromethane	ND	0.0323						0		30	
Dibromomethane	ND	0.0258						0		30	
cis-1,3-Dichloropropene	ND	0.103						0		30	
Toluene	ND	0.0387						0		30	
Trans-1,3-Dichloropropylene	ND	0.0645						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	0.0968						0		30	
1,1,2-Trichloroethane	ND	0.0219						0		30	
1,3-Dichloropropane	ND	0.0258						0		30	

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108428-005BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69723**
Client ID: **B95-AB-23-25** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413368**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	ND	0.0516						0		30	
Dibromochloromethane	ND	0.0258						0		30	
1,2-Dibromoethane (EDB)	ND	0.0129						0		30	
2-Hexanone (MBK)	ND	0.0774						0		30	
Chlorobenzene	ND	0.0323						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0258						0		30	
Ethylbenzene	ND	0.0323						0		30	
m,p-Xylene	ND	0.0645						0		30	
o-Xylene	ND	0.0323						0		30	
Styrene	ND	0.0323						0		30	
Isopropylbenzene	ND	0.0387						0		30	
Bromoform	ND	0.0323						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0194						0		30	
n-Propylbenzene	ND	0.0387						0		30	
Bromobenzene	ND	0.0387						0		30	
1,3,5-Trimethylbenzene	ND	0.0323						0		30	
2-Chlorotoluene	ND	0.0387						0		30	
4-Chlorotoluene	ND	0.0387						0		30	
tert-Butylbenzene	ND	0.0387						0		30	
1,2,3-Trichloropropane	ND	0.0323						0		30	
1,2,4-Trichlorobenzene	ND	0.0516						0		30	
sec-Butylbenzene	ND	0.0387						0		30	
4-Isopropyltoluene	ND	0.0387						0		30	
1,3-Dichlorobenzene	ND	0.0452						0		30	
1,4-Dichlorobenzene	ND	0.0387						0		30	
n-Butylbenzene	ND	0.0516						0		30	
1,2-Dichlorobenzene	ND	0.0387						0		30	
1,2-Dibromo-3-chloropropane	ND	0.0774						0		30	
1,2,4-Trimethylbenzene	ND	0.0323						0		30	
Hexachloro-1,3-butadiene	ND	0.0645						0		30	

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108428-005BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69723**
Client ID: **B95-AB-23-25** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413368**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	0.129						0		30	
1,2,3-Trichlorobenzene	ND	0.0645						0		30	
Surr: Dibromofluoromethane	1.62		1.613		100	75.5	119		0		
Surr: Toluene-d8	1.58		1.613		98.0	82.4	115		0		
Surr: 1-Bromo-4-fluorobenzene	1.42		1.613		88.2	78.5	118		0		

Sample ID: **2108428-003BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69723**
Client ID: **B95-AB-23-15** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413366**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	0.948	0.0599	1.198	0	79.1	5.35	148				
Chloromethane	1.05	0.0958	1.198	0	87.8	34.4	134				
Vinyl chloride	1.17	0.0299	1.198	0	97.8	50.3	134				
Bromomethane	1.29	0.180	1.198	0	107	40.2	164				
Trichlorofluoromethane (CFC-11)	1.33	0.0599	1.198	0	111	54.1	142				
Chloroethane	1.19	0.144	1.198	0	99.1	42.4	148				
1,1-Dichloroethene	1.29	0.120	1.198	0	108	62.2	138				
Acetone	3.24	0.599	2.995	0	108	56.3	172				
Methylene chloride	1.23	0.0180	1.198	0	103	66.3	131				
trans-1,2-Dichloroethene	1.29	0.0359	1.198	0	108	70.2	132				
Methyl tert-butyl ether (MTBE)	1.36	0.0359	1.198	0	113	64.8	140				
1,1-Dichloroethane	1.30	0.0299	1.198	0	109	72	130				
cis-1,2-Dichloroethene	1.28	0.0299	1.198	0	107	79.6	125				
(MEK) 2-Butanone	3.76	0.539	2.995	0	126	73.1	138				
Chloroform	1.30	0.0299	1.198	0	109	77.3	128				
1,1,1-Trichloroethane (TCA)	1.35	0.0299	1.198	0	113	81.2	124				
1,1-Dichloropropene	1.38	0.0299	1.198	0	115	77.9	127				
Carbon tetrachloride	1.37	0.0898	1.198	0	114	76.9	126				
1,2-Dichloroethane (EDC)	1.33	0.0275	1.198	0	111	74.1	130				
Benzene	1.30	0.0240	1.198	0	109	75.3	131				

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108428-003BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69723**
Client ID: **B95-AB-23-15** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413366**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	1.30	0.0240	1.198	0	108	78.9	132				
1,2-Dichloropropane	1.30	0.0240	1.198	0	108	77	126				
Bromodichloromethane	1.31	0.0299	1.198	0	109	75.1	127				
Dibromomethane	1.31	0.0240	1.198	0	109	77.6	126				
cis-1,3-Dichloropropene	1.32	0.0958	1.198	0	110	74.5	123				
Toluene	1.30	0.0359	1.198	0	109	79.2	130				
Trans-1,3-Dichloropropylene	1.27	0.0599	1.198	0	106	74.3	124				
Methyl Isobutyl Ketone (MIBK)	3.28	0.0898	2.995	0	109	71.8	141				
1,1,2-Trichloroethane	1.32	0.0204	1.198	0	110	77.2	127				
1,3-Dichloropropane	1.31	0.0240	1.198	0	110	74.1	129				
Tetrachloroethene (PCE)	1.31	0.0479	1.198	0	109	77.7	131				
Dibromochloromethane	1.33	0.0240	1.198	0	111	69.7	131				
1,2-Dibromoethane (EDB)	1.30	0.0120	1.198	0	108	78.1	126				
2-Hexanone (MBK)	3.38	0.0719	2.995	0	113	59.3	153				
Chlorobenzene	1.27	0.0299	1.198	0	106	84.7	121				
1,1,1,2-Tetrachloroethane	1.28	0.0240	1.198	0	107	81.8	123				
Ethylbenzene	1.29	0.0299	1.198	0	108	79.7	133				
m,p-Xylene	2.63	0.0599	2.396	0	110	81.2	125				
o-Xylene	1.27	0.0299	1.198	0	106	76.9	130				
Styrene	1.30	0.0299	1.198	0	109	86.2	119				
Isopropylbenzene	1.29	0.0359	1.198	0	108	79.4	132				
Bromoform	1.30	0.0299	1.198	0	109	69.3	136				
1,1,2,2-Tetrachloroethane	1.30	0.0180	1.198	0	108	49.1	149				
n-Propylbenzene	1.32	0.0359	1.198	0	110	77	139				
Bromobenzene	1.28	0.0359	1.198	0	107	77.2	129				
1,3,5-Trimethylbenzene	1.31	0.0299	1.198	0	109	76.7	135				
2-Chlorotoluene	1.31	0.0359	1.198	0	109	76.8	135				
4-Chlorotoluene	1.33	0.0359	1.198	0	111	77.4	131				
tert-Butylbenzene	1.29	0.0359	1.198	0	108	76.5	135				
1,2,3-Trichloropropane	1.31	0.0299	1.198	0	109	70.2	132				

Work Order: 2108428
CLIENT: Aspect Consulting
Project: Swedish Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2108428-003BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **9/2/2021** RunNo: **69723**
Client ID: **B95-AB-23-15** Batch ID: **33577** Analysis Date: **9/2/2021** SeqNo: **1413366**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	1.18	0.0479	1.198	0	98.2	78.8	129				
sec-Butylbenzene	1.30	0.0359	1.198	0	109	75.7	141				
4-Isopropyltoluene	1.30	0.0359	1.198	0	109	75.2	140				
1,3-Dichlorobenzene	1.26	0.0419	1.198	0	106	86.3	123				
1,4-Dichlorobenzene	1.26	0.0359	1.198	0	105	86.1	123				
n-Butylbenzene	1.24	0.0479	1.198	0	103	79.4	130				
1,2-Dichlorobenzene	1.28	0.0359	1.198	0	106	87.8	120				
1,2-Dibromo-3-chloropropane	1.29	0.0719	1.198	0	108	69.5	135				
1,2,4-Trimethylbenzene	1.32	0.0299	1.198	0	110	76	137				
Hexachloro-1,3-butadiene	1.11	0.0599	1.198	0	93.0	70.9	137				
Naphthalene	1.23	0.120	1.198	0	102	72.3	141				
1,2,3-Trichlorobenzene	1.20	0.0599	1.198	0	100	75.1	133				
Surr: Dibromofluoromethane	1.49		1.497		99.4	75.5	119				
Surr: Toluene-d8	1.52		1.497		102	82.4	115				
Surr: 1-Bromo-4-fluorobenzene	1.66		1.497		111	78.5	118				

Sample Log-In Check List

Client Name:	**AC**	Work Order Number:	**2108428**
Logged by:	**Gabrielle Coeuille**	Date Received:	**8/30/2021 4:19:00 PM**

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Client

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 ☐

Samples were collected the same day and chilled.

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 ºC
Sample 1	19.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

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

Date: 8/30/2021 Page: 1 of: 3

Laboratory Project No (internal): 2108428

Project Name: SWEDISH BLOCK 95

Special Remarks:

Client: ASPECT CONSULTING

Project No: 200482

Address: 710 2ND AVE, SUITE 550

Collected by: S. ADLINGTON

City, State, Zip: SEATTLE WA 98104

Location:

Telephone: 206-788-7557

Report To (PM): SAM ADLINGTON

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: SADLINGTON@ASPECT CONSULTING.COM

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)				HOLD	Comments
1	BGS-AB-23-5	8/30/21	0816	SOIL	3																X	
2	BGS-AB-23-10		0831			X		X		X		X		X								
3	BGS-AB-23-15		0840			X		X		X		X		X								
4	BGS-AB-23-20		0907																		X	
5	BGS-AB-23-25		0915			X		X		X		X		X								
6	BGS-AB-23-30		0923			X		X		X		X		X								
7	BGS-AB-23-35		0928																		X	
8	BGS-AB-23-40		0937			X		X		X		X		X								
9	BGS-AB-23-45		0948			X		X		X		X		X								
10	BGS-AB-23-50		0956			X		X		X		X		X								

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	SAM ADLINGTON	1620 8/30/2021	x	Justine Mantz	8/30 16:19
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 8/30/2021 Page: 2 of: 3

Laboratory Project No (internal): 2108428

Project Name: SWEDISH BLOCK 95

Special Remarks:

Client: ASPECT CONSULTING

Project No: 200482

Address: 710 2ND AVE, SUITE 550

Collected by: S. ADLINGTON

City, State, Zip: SEATTLE WA 98104

Location: SEATTLE

Telephone: 2067887557

Report To (PM): SAM ADLINGTON

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: SADLINGTON@ASPECTCONSULTING.COM

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 (SIM))	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					HOLD	Comments
1	BGS-AB-23-5S	8/30/2021	1005	SOL	3	X		X		X		X		X								
2	BGS-AB-23-6S		1019																		X	
3	BGS-AB-23-7S		1033																		X	
4	BGS-AB-23-8S		1051			X		X		X		X		X								
5	BGS-AB-23-9S		1106			X		X		X		X		X								
6	BGS-AB-23-10S		1121																		X	
7	BGS-AB-23-11S		1130			X		X		X		X		X								
8	BGS-AB-10-2.5		1355																		X	
9	BGS-AB-10-5		1400			X		X		X		X		X								
10	BGS-AB-10-7.5		1403																		X	

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	SAM ADLINGTON	1620 8/30/2021	x	Justine Martz	Justine Martz 8/30 16:17
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

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

Chain of Custody Record & Laboratory Services Agreement

Date: 8/30/2021 Page: 3 of: 3

Laboratory Project No (internal): 2108424

Project Name: SWEDISH BLOCK 95

Special Remarks:

Client: ASPECT CONSULTING

Project No: 200482

Address: 710 2ND AVE, SUITE 550

Collected by: S. ADLINGTON

City, State, Zip: SEATTLE WA 98104

Location: SEATTLE

Telephone: 206-788-7557

Report To (PM): SAM ADLINGTON

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: SADLINGTON@ASPECT CONSULTING.COM

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)				HLD	Comments
1	BGS-AB-10-10	8/30/21	1408	SOIL	3															X	
2	BGS-AB-10-15	↓	1414	↓	↓	X		X		X		X		X							
3	BGS-AB-10-20		1420																	X	
4	BGS-AB-10-25		1425																	X	
5	BGS-AB-10-30	↓	1432	↓	↓	X		X		X		X		X							
6	TRIP BLANK	—	—	WATER	1																
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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x [signature]	SAM ADLINGTON	1620 8/30/2021	x [signature]	Justine Martz	8/30 16:19
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: SFH BLOCK 95
Work Order Number: 2203576

April 13, 2022

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 29 sample(s) on 3/23/2022 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B
Volatile Organic Compounds by EPA Method 8260D

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

Date: *04/13/2022*

CLIENT: Aspect Consulting
Project: SFH BLOCK 95
Work Order: 2203576

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203576-001	B95-AB-26-5	03/22/2022 8:45 AM	03/23/2022 2:03 PM
2203576-002	B95-AB-26-7.5	03/22/2022 8:50 AM	03/23/2022 2:03 PM
2203576-002	B95-AB-26-7.5	03/22/2022 8:50 AM	03/23/2022 2:03 PM
2203576-003	B95-AB-26-10	03/22/2022 9:00 AM	03/23/2022 2:03 PM
2203576-004	B95-AB-26-12.5	03/22/2022 9:03 AM	03/23/2022 2:03 PM
2203576-005	B95-AB-26-15	03/22/2022 9:05 AM	03/23/2022 2:03 PM
2203576-006	B95-AB-26-17.5	03/22/2022 9:10 AM	03/23/2022 2:03 PM
2203576-007	B95-AB-26-20.5	03/22/2022 9:15 AM	03/23/2022 2:03 PM
2203576-008	B95-AB-26-22.5	03/22/2022 9:20 AM	03/23/2022 2:03 PM
2203576-009	B95-AB-26-26	03/22/2022 9:30 AM	03/23/2022 2:03 PM
2203576-010	B95-AB-27-5	03/22/2022 10:40 AM	03/23/2022 2:03 PM
2203576-010	B95-AB-27-5	03/22/2022 10:40 AM	03/23/2022 2:03 PM
2203576-011	B95-AB-27-8	03/22/2022 10:45 AM	03/23/2022 2:03 PM
2203576-012	B95-AB-27-10.5	03/22/2022 10:50 AM	03/23/2022 2:03 PM
2203576-013	B95-AB-27-15.5	03/22/2022 11:00 AM	03/23/2022 2:03 PM
2203576-014	B95-AB-27-18	03/22/2022 11:05 AM	03/23/2022 2:03 PM
2203576-015	B95-AB-27-20.5	03/22/2022 11:10 AM	03/23/2022 2:03 PM
2203576-016	B95-AB-27-23	03/22/2022 11:15 AM	03/23/2022 2:03 PM
2203576-017	B95-AB-27-26	03/22/2022 11:20 AM	03/23/2022 2:03 PM
2203576-018	B95-AB-24-5	03/22/2022 12:40 PM	03/23/2022 2:03 PM
2203576-019	B95-AB-24-10	03/22/2022 12:45 PM	03/23/2022 2:03 PM
2203576-019	B95-AB-24-10	03/22/2022 12:45 PM	03/23/2022 2:03 PM
2203576-020	B95-AB-24-12.5	03/22/2022 12:55 PM	03/23/2022 2:03 PM
2203576-021	B95-AB-24-15.5	03/22/2022 1:00 PM	03/23/2022 2:03 PM
2203576-022	B95-AB-24-17.5	03/22/2022 1:10 PM	03/23/2022 2:03 PM
2203576-023	B95-AB-24-20	03/22/2022 1:13 PM	03/23/2022 2:03 PM
2203576-024	B95-AB-24-22.5	03/22/2022 1:10 PM	03/23/2022 2:03 PM
2203576-025	B95-AB-24-24	03/22/2022 1:15 PM	03/23/2022 2:03 PM
2203576-026	B95-AB-24-26	03/22/2022 1:20 PM	03/23/2022 2:03 PM
2203576-027	B95-AB-29-5	03/22/2022 10:33 AM	03/23/2022 2:03 PM
2203576-028	B95-AB-81-4.5	03/22/2022 12:01 PM	03/23/2022 2:03 PM
2203576-029	B95-TB-032222	03/22/2022 8:45 AM	03/23/2022 2:03 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2203576**

Date: **4/13/2022**

CLIENT: Aspect Consulting
Project: SFH BLOCK 95

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.

4/7/22: Revision 1 includes additional analysis requested by the client.
4/13/22: Revision 2 includes additional analysis requested by the client.

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

Analytical Report

Work Order: **2203576**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/22/2022 8:50:00 AM
Project: SFH BLOCK 95
Lab ID: 2203576-002
Matrix: Soil
Client Sample ID: **B95-AB-26-7.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35974		Analyst: MM
Diesel (Fuel Oil)	ND	50.5		mg/Kg-dry	1	4/4/2022 11:57:19 PM
Heavy Oil	ND	101		mg/Kg-dry	1	4/4/2022 11:57:19 PM
Total Petroleum Hydrocarbons	ND	152		mg/Kg-dry	1	4/4/2022 11:57:19 PM
Surr: 2-Fluorobiphenyl	96.3	50 - 150		%Rec	1	4/4/2022 11:57:19 PM
Surr: o-Terphenyl	95.1	50 - 150		%Rec	1	4/4/2022 11:57:19 PM
Total Metals by EPA Method 6020B				Batch ID: 35984		Analyst: EH
Arsenic	2.97	0.101		mg/Kg-dry	1	4/5/2022 3:59:31 PM
Sample Moisture (Percent Moisture)				Batch ID: R74521		Analyst: ALB
Percent Moisture	8.16	0.500		wt%	1	4/4/2022 2:27:04 PM

Analytical Report

Work Order: **2203576**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/22/2022 9:03:00 AM
Project: SFH BLOCK 95
Lab ID: 2203576-004
Matrix: Soil
Client Sample ID: **B95-AB-26-12.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35993		Analyst: SB
Diesel (Fuel Oil)	ND	48.2		mg/Kg-dry	1	4/5/2022 1:36:06 PM
Heavy Oil	ND	96.5		mg/Kg-dry	1	4/5/2022 1:36:06 PM
Total Petroleum Hydrocarbons	ND	145		mg/Kg-dry	1	4/5/2022 1:36:06 PM
Surr: 2-Fluorobiphenyl	68.1	50 - 150		%Rec	1	4/5/2022 1:36:06 PM
Surr: o-Terphenyl	66.0	50 - 150		%Rec	1	4/5/2022 1:36:06 PM
Sample Moisture (Percent Moisture)				Batch ID: R74534		Analyst: ALB
Percent Moisture	7.87	0.500		wt%	1	4/5/2022 10:10:42 AM

Analytical Report

Work Order: **2203576**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/22/2022 10:40:00 AM
Project: SFH BLOCK 95
Lab ID: 2203576-010
Matrix: Soil
Client Sample ID: **B95-AB-27-5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35974		Analyst: MM
Diesel (Fuel Oil)	ND	52.6		mg/Kg-dry	1	4/5/2022 12:30:03 AM
Heavy Oil	601	105		mg/Kg-dry	1	4/5/2022 12:30:03 AM
Total Petroleum Hydrocarbons	601	158		mg/Kg-dry	1	4/5/2022 12:30:03 AM
Surr: 2-Fluorobiphenyl	85.4	50 - 150		%Rec	1	4/5/2022 12:30:03 AM
Surr: o-Terphenyl	86.0	50 - 150		%Rec	1	4/5/2022 12:30:03 AM
Total Metals by EPA Method 6020B				Batch ID: 35984		Analyst: EH
Arsenic	28.9	0.109		mg/Kg-dry	1	4/5/2022 4:25:22 PM
Sample Moisture (Percent Moisture)				Batch ID: R74521		Analyst: ALB
Percent Moisture	13.3	0.500		wt%	1	4/4/2022 2:27:04 PM

Analytical Report

Work Order: **2203576**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/22/2022 10:50:00 AM
Project: SFH BLOCK 95
Lab ID: 2203576-012
Matrix: Soil
Client Sample ID: **B95-AB-27-10.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35993		Analyst: SB
Diesel (Fuel Oil)	ND	53.8		mg/Kg-dry	1	4/5/2022 2:09:13 PM
Heavy Oil	ND	108		mg/Kg-dry	1	4/5/2022 2:09:13 PM
Total Petroleum Hydrocarbons	ND	162		mg/Kg-dry	1	4/5/2022 2:09:13 PM
Surr: 2-Fluorobiphenyl	73.6	50 - 150		%Rec	1	4/5/2022 2:09:13 PM
Surr: o-Terphenyl	70.3	50 - 150		%Rec	1	4/5/2022 2:09:13 PM
Total Metals by EPA Method 6020B				Batch ID: 36085		Analyst: EH
Arsenic	3.40	0.0984		mg/Kg-dry	1	4/13/2022 3:21:20 PM
Sample Moisture (Percent Moisture)				Batch ID: R74534		Analyst: ALB
Percent Moisture	7.61	0.500		wt%	1	4/5/2022 10:10:42 AM

Analytical Report

Work Order: **2203576**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/22/2022 12:40:00 PM
Project: SFH BLOCK 95
Lab ID: 2203576-018
Matrix: Soil
Client Sample ID: **B95-AB-24-5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35938		Analyst: MM
Diesel (Fuel Oil)	ND	56.4		mg/Kg-dry	1	3/30/2022 9:39:25 PM
Heavy Oil	2,070	113		mg/Kg-dry	1	3/30/2022 9:39:25 PM
Total Petroleum Hydrocarbons	2,070	169		mg/Kg-dry	1	3/30/2022 9:39:25 PM
Surr: 2-Fluorobiphenyl	133	50 - 150		%Rec	1	3/30/2022 9:39:25 PM
Surr: o-Terphenyl	137	50 - 150		%Rec	1	3/30/2022 9:39:25 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 35952		Analyst: TN
Benzene	ND	0.0238		mg/Kg-dry	1	4/1/2022 11:19:17 AM
Toluene	ND	0.0357		mg/Kg-dry	1	4/1/2022 11:19:17 AM
Ethylbenzene	ND	0.0298		mg/Kg-dry	1	4/1/2022 11:19:17 AM
m,p-Xylene	ND	0.0595		mg/Kg-dry	1	4/1/2022 11:19:17 AM
o-Xylene	ND	0.0298		mg/Kg-dry	1	4/1/2022 11:19:17 AM
Surr: Dibromofluoromethane	93.8	80 - 120		%Rec	1	4/1/2022 11:19:17 AM
Surr: Toluene-d8	101	80 - 120		%Rec	1	4/1/2022 11:19:17 AM
Surr: 1-Bromo-4-fluorobenzene	98.5	80 - 120		%Rec	1	4/1/2022 11:19:17 AM
Total Metals by EPA Method 6020B				Batch ID: 35929		Analyst: EH
Arsenic	25.4	0.111		mg/Kg-dry	1	3/30/2022 3:11:19 PM
Sample Moisture (Percent Moisture)				Batch ID: R74418		Analyst: CB
Percent Moisture	12.2	0.500		wt%	1	3/30/2022 11:36:23 AM

Analytical Report

Work Order: **2203576**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/22/2022 12:45:00 PM
Project: SFH BLOCK 95
Lab ID: 2203576-019
Matrix: Soil
Client Sample ID: **B95-AB-24-10**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35974		Analyst: MM
Diesel (Fuel Oil)	ND	45.2		mg/Kg-dry	1	4/5/2022 1:02:46 AM
Heavy Oil	ND	90.3		mg/Kg-dry	1	4/5/2022 1:02:46 AM
Total Petroleum Hydrocarbons	ND	135		mg/Kg-dry	1	4/5/2022 1:02:46 AM
Surr: 2-Fluorobiphenyl	83.2	50 - 150		%Rec	1	4/5/2022 1:02:46 AM
Surr: o-Terphenyl	81.3	50 - 150		%Rec	1	4/5/2022 1:02:46 AM
Total Metals by EPA Method 6020B				Batch ID: 35984		Analyst: EH
Arsenic	2.43	0.100		mg/Kg-dry	1	4/5/2022 4:29:56 PM
Sample Moisture (Percent Moisture)				Batch ID: R74521		Analyst: ALB
Percent Moisture	4.86	0.500		wt%	1	4/4/2022 2:27:04 PM

Analytical Report

Work Order: **2203576**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/22/2022 12:55:00 PM
Project: SFH BLOCK 95
Lab ID: 2203576-020
Matrix: Soil
Client Sample ID: **B95-AB-24-12.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35993		Analyst: SB
Diesel (Fuel Oil)	ND	50.3		mg/Kg-dry	1	4/5/2022 2:20:12 PM
Heavy Oil	111	101		mg/Kg-dry	1	4/5/2022 2:20:12 PM
Total Petroleum Hydrocarbons	ND	151		mg/Kg-dry	1	4/5/2022 2:20:12 PM
Surr: 2-Fluorobiphenyl	89.3	50 - 150		%Rec	1	4/5/2022 2:20:12 PM
Surr: o-Terphenyl	90.4	50 - 150		%Rec	1	4/5/2022 2:20:12 PM
Sample Moisture (Percent Moisture)				Batch ID: R74534		Analyst: ALB
Percent Moisture	4.82	0.500		wt%	1	4/5/2022 10:10:42 AM

Analytical Report

Work Order: **2203576**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/22/2022 1:00:00 PM
Project: SFH BLOCK 95
Lab ID: 2203576-021
Matrix: Soil
Client Sample ID: **B95-AB-24-15.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36072		Analyst: SB
Diesel (Fuel Oil)	ND	52.5	H	mg/Kg-dry	1	4/12/2022 12:41:07 PM
Heavy Oil	ND	105	H	mg/Kg-dry	1	4/12/2022 12:41:07 PM
Total Petroleum Hydrocarbons	ND	157	H	mg/Kg-dry	1	4/12/2022 12:41:07 PM
Surr: 2-Fluorobiphenyl	69.5	50 - 150	H	%Rec	1	4/12/2022 12:41:07 PM
Surr: o-Terphenyl	68.6	50 - 150	H	%Rec	1	4/12/2022 12:41:07 PM
Sample Moisture (Percent Moisture)				Batch ID: R74658		Analyst: ALB
Percent Moisture	8.19	0.500		wt%	1	4/11/2022 12:21:30 PM

Work Order: 2203576
CLIENT: Aspect Consulting
Project: SFH BLOCK 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-35929** SampType: **MBLK** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74441**
Client ID: **MBLKS** Batch ID: **35929** Analysis Date: **3/30/2022** SeqNo: **1526840**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0960									

Sample ID: **LCS-35929** SampType: **LCS** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74441**
Client ID: **LCSS** Batch ID: **35929** Analysis Date: **3/30/2022** SeqNo: **1526841**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	36.4	0.0945	39.37	0	92.6	80	120				

Sample ID: **2203576-018AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74441**
Client ID: **B95-AB-24-5** Batch ID: **35929** Analysis Date: **3/30/2022** SeqNo: **1526844**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	74.4	0.106	44.13	25.39	111	75	125				

Sample ID: **2203576-018AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74441**
Client ID: **B95-AB-24-5** Batch ID: **35929** Analysis Date: **3/30/2022** SeqNo: **1526845**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	73.2	0.106	44.13	25.39	108	75	125	74.39	1.58	20	

Sample ID: **MB-35984** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/4/2022** RunNo: **74560**
Client ID: **MBLKS** Batch ID: **35984** Analysis Date: **4/5/2022** SeqNo: **1529578**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0923									

Work Order: 2203576
CLIENT: Aspect Consulting
Project: SFH BLOCK 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **LCS-35984** SampType: **LCS** Units: **mg/Kg** Prep Date: **4/4/2022** RunNo: **74560**
Client ID: **LCSS** Batch ID: **35984** Analysis Date: **4/5/2022** SeqNo: **1529579**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	37.9	0.0896	37.31	0	102	80	120				

Sample ID: **2203576-002AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74560**
Client ID: **B95-AB-26-7.5** Batch ID: **35984** Analysis Date: **4/5/2022** SeqNo: **1529582**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	47.5	0.101	42.20	2.966	106	75	125				

Sample ID: **2203576-002AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74560**
Client ID: **B95-AB-26-7.5** Batch ID: **35984** Analysis Date: **4/5/2022** SeqNo: **1529583**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	46.2	0.102	42.53	2.966	102	75	125	47.54	2.86	20	

Sample ID: **MB-36085** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/13/2022** RunNo: **74722**
Client ID: **MBLKS** Batch ID: **36085** Analysis Date: **4/13/2022** SeqNo: **1533304**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0902									

Sample ID: **LCS-36085** SampType: **LCS** Units: **mg/Kg** Prep Date: **4/13/2022** RunNo: **74722**
Client ID: **LCSS** Batch ID: **36085** Analysis Date: **4/13/2022** SeqNo: **1533305**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	34.5	0.0909	37.88	0	91.2	80	120				

Work Order: 2203576
CLIENT: Aspect Consulting
Project: SFH BLOCK 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **2204161-008AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **4/13/2022** RunNo: **74722**
Client ID: **BATCH** Batch ID: **36085** Analysis Date: **4/13/2022** SeqNo: **1533310**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	47.6	0.117	48.72	2.295	93.1	75	125				

Sample ID: **2204161-008AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **4/13/2022** RunNo: **74722**
Client ID: **BATCH** Batch ID: **36085** Analysis Date: **4/13/2022** SeqNo: **1533311**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	49.4	0.122	50.65	2.295	93.1	75	125	47.64	3.70	20	

Work Order: 2203576
CLIENT: Aspect Consulting
Project: SFH BLOCK 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **LCS-35938** SampType: **LCS** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **LCSS** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527206**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	424	150	500.0	0	84.8	76.1	133				
Surr: 2-Fluorobiphenyl	11.8		10.00		118	50	150				
Surr: o-Terphenyl	13.3		10.00		133	50	150				

Sample ID: **LCSD-35938** SampType: **LCSD** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **LCSS02** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527207**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	512	150	500.0	0	102	76.1	133	424.1	18.8	30	
Surr: 2-Fluorobiphenyl	13.4		10.00		134	50	150		0		
Surr: o-Terphenyl	14.6		10.00		146	50	150		0		

Sample ID: **MB-35938** SampType: **MBLK** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **MBLKS** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527208**

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	11.9		10.00		119	50	150				
Surr: o-Terphenyl	11.6		10.00		116	50	150				

Sample ID: **2203576-018AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **B95-AB-24-5** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527223**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,520	168	558.7	2,065	-98.5	62.2	146				S
Surr: 2-Fluorobiphenyl	13.1		11.17		117	50	150				
Surr: o-Terphenyl	15.2		11.17		136	50	150				

Work Order: 2203576
CLIENT: Aspect Consulting
Project: SFH BLOCK 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2203576-018AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **B95-AB-24-5** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527223**

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: **2203576-018AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **B95-AB-24-5** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527224**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,740	169	564.2	2,065	-57.2	62.2	146	1,515	14.0	30	S
Surr: 2-Fluorobiphenyl	13.3		11.28		118	50	150		0		
Surr: o-Terphenyl	15.7		11.28		139	50	150		0		

NOTES:
S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Sample ID: **LCS-35974** SampType: **LCS** Units: **mg/Kg** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **LCSS** Batch ID: **35974** Analysis Date: **4/4/2022** SeqNo: **1528761**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	439	150	500.0	0	87.8	76.1	133				
Surr: 2-Fluorobiphenyl	8.85		10.00		88.5	50	150				
Surr: o-Terphenyl	10.5		10.00		105	50	150				

Sample ID: **LCSD-35974** SampType: **LCSD** Units: **mg/Kg** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **LCSS02** Batch ID: **35974** Analysis Date: **4/4/2022** SeqNo: **1528762**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	458	150	500.0	0	91.7	76.1	133	439.2	4.30	30	
Surr: 2-Fluorobiphenyl	9.57		10.00		95.7	50	150		0		
Surr: o-Terphenyl	10.5		10.00		105	50	150		0		

Work Order: 2203576
CLIENT: Aspect Consulting
Project: SFH BLOCK 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-35974** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **MBLKS** Batch ID: **35974** Analysis Date: **4/4/2022** SeqNo: **1528770**

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	8.92		10.00		89.2	50	150				
Surr: o-Terphenyl	8.46		10.00		84.6	50	150				

Sample ID: **2203704-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **BATCH** Batch ID: **35974** Analysis Date: **4/4/2022** SeqNo: **1528805**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	822	156	520.7	695.0	24.4	62.2	146				S
Surr: 2-Fluorobiphenyl	8.53		10.41		81.9	50	150				
Surr: o-Terphenyl	9.68		10.41		93.0	50	150				

NOTES:
S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.

Sample ID: **2203704-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **BATCH** Batch ID: **35974** Analysis Date: **4/4/2022** SeqNo: **1528806**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	907	159	531.4	695.0	39.9	62.2	146	822.0	9.81	30	S
Surr: 2-Fluorobiphenyl	10.7		10.63		101	50	150		0		
Surr: o-Terphenyl	12.3		10.63		116	50	150		0		

NOTES:
S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.

Sample ID: **2203611-020ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **BATCH** Batch ID: **35974** Analysis Date: **4/5/2022** SeqNo: **1528968**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.7						0		30	

Work Order: 2203576
CLIENT: Aspect Consulting
Project: SFH BLOCK 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2203611-020ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **BATCH** Batch ID: **35974** Analysis Date: **4/5/2022** SeqNo: **1528968**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	152	101						129.8	15.5	30	
Total Petroleum Hydrocarbons	ND	152						0		30	
Surr: 2-Fluorobiphenyl	9.80		10.15		96.6	50	150		0		
Surr: o-Terphenyl	9.99		10.15		98.5	50	150		0		

Sample ID: **MB-35993** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/5/2022** RunNo: **74549**
Client ID: **MBLKS** Batch ID: **35993** Analysis Date: **4/5/2022** SeqNo: **1529327**

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	8.25		10.00		82.5	50	150				
Surr: o-Terphenyl	8.49		10.00		84.9	50	150				

Sample ID: **LCS-35993** SampType: **LCS** Units: **mg/Kg** Prep Date: **4/5/2022** RunNo: **74549**
Client ID: **LCSS** Batch ID: **35993** Analysis Date: **4/5/2022** SeqNo: **1529328**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	402	150	500.0	0	80.3	76.1	133				
Surr: 2-Fluorobiphenyl	7.56		10.00		75.6	50	150				
Surr: o-Terphenyl	9.05		10.00		90.5	50	150				

Sample ID: **2204013-001ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **4/5/2022** RunNo: **74549**
Client ID: **BATCH** Batch ID: **35993** Analysis Date: **4/5/2022** SeqNo: **1529332**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	52.8						0		30	
Heavy Oil	ND	106						0		30	

Work Order: 2203576
CLIENT: Aspect Consulting
Project: SFH BLOCK 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2204013-001ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **4/5/2022** RunNo: **74549**
Client ID: **BATCH** Batch ID: **35993** Analysis Date: **4/5/2022** SeqNo: **1529332**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	ND	158						0		30	
Surr: 2-Fluorobiphenyl	8.15		10.56		77.2	50	150		0		
Surr: o-Terphenyl	7.62		10.56		72.1	50	150		0		

Sample ID: **2203576-004AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **4/5/2022** RunNo: **74549**
Client ID: **B95-AB-26-12.5** Batch ID: **35993** Analysis Date: **4/5/2022** SeqNo: **1529761**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	390	144	480.7	0	81.2	62.2	146				
Surr: 2-Fluorobiphenyl	7.30		9.614		75.9	50	150				
Surr: o-Terphenyl	8.92		9.614		92.8	50	150				

Sample ID: **2203576-004AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **4/5/2022** RunNo: **74549**
Client ID: **B95-AB-26-12.5** Batch ID: **35993** Analysis Date: **4/5/2022** SeqNo: **1529762**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	462	149	495.2	0	93.2	62.2	146	390.5	16.7	30	
Surr: 2-Fluorobiphenyl	9.54		9.904		96.3	50	150		0		
Surr: o-Terphenyl	10.8		9.904		109	50	150		0		

Sample ID: **MB-36072** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/12/2022** RunNo: **74700**
Client ID: **MBLKS** Batch ID: **36072** Analysis Date: **4/12/2022** SeqNo: **1532684**

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	10.2		10.00		102	50	150				
Surr: o-Terphenyl	9.90		10.00		99.0	50	150				

Work Order: 2203576
CLIENT: Aspect Consulting
Project: SFH BLOCK 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-36072** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/12/2022** RunNo: **74700**
Client ID: **MBLKS** Batch ID: **36072** Analysis Date: **4/12/2022** SeqNo: **1532684**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **LCS-36072** SampType: **LCS** Units: **mg/Kg** Prep Date: **4/12/2022** RunNo: **74700**
Client ID: **LCSS** Batch ID: **36072** Analysis Date: **4/12/2022** SeqNo: **1532685**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	434	150	500.0	0	86.8	76.1	133				
Surr: 2-Fluorobiphenyl	8.70		10.00		87.0	50	150				
Surr: o-Terphenyl	10.8		10.00		108	50	150				

Sample ID: **2203576-021AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **4/12/2022** RunNo: **74700**
Client ID: **B95-AB-24-15.5** Batch ID: **36072** Analysis Date: **4/12/2022** SeqNo: **1532687**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	460	157	522.1	0	88.2	62.2	146				H
Surr: 2-Fluorobiphenyl	9.16		10.44		87.7	50	150				H
Surr: o-Terphenyl	10.8		10.44		103	50	150				H

Sample ID: **2203576-021AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **4/12/2022** RunNo: **74700**
Client ID: **B95-AB-24-15.5** Batch ID: **36072** Analysis Date: **4/12/2022** SeqNo: **1532688**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	553	157	522.1	0	106	62.2	146	460.3	18.4	30	H
Surr: 2-Fluorobiphenyl	10.9		10.44		104	50	150		0		H
Surr: o-Terphenyl	12.8		10.44		123	50	150		0		H

Work Order: 2203576
CLIENT: Aspect Consulting
Project: SFH BLOCK 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-35952** SampType: **LCS** Units: **µg/L** Prep Date: **3/31/2022** RunNo: **74466**
Client ID: **LCSS** Batch ID: **35952** Analysis Date: **3/31/2022** SeqNo: **1527403**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.00	0.0200	1.000	0	100	80	120				
Toluene	1.03	0.0300	1.000	0	103	80	120				
Ethylbenzene	1.13	0.0250	1.000	0	113	80	120				
m,p-Xylene	2.17	0.0500	2.000	0	109	80	120				
o-Xylene	1.06	0.0250	1.000	0	106	80	120				
Surr: Dibromofluoromethane	1.30		1.250		104	80	120				
Surr: Toluene-d8	1.27		1.250		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.29		1.250		103	80	120				

Sample ID: **MB-35952** SampType: **MBLK** Units: **mg/Kg** Prep Date: **3/31/2022** RunNo: **74466**
Client ID: **MBLKS** Batch ID: **35952** Analysis Date: **3/31/2022** SeqNo: **1527397**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0200									
Toluene	ND	0.0300									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Surr: Dibromofluoromethane	1.22		1.250		97.5	80	120				
Surr: Toluene-d8	1.25		1.250		99.8	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.22		1.250		97.4	80	120				

Sample ID: **2203686-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **3/31/2022** RunNo: **74466**
Client ID: **BATCH** Batch ID: **35952** Analysis Date: **3/31/2022** SeqNo: **1527399**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0220						0		30	
Toluene	ND	0.0330						0		30	
Ethylbenzene	ND	0.0275						0		30	

Work Order: 2203576
CLIENT: Aspect Consulting
Project: SFH BLOCK 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2203686-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **3/31/2022** RunNo: **74466**
Client ID: **BATCH** Batch ID: **35952** Analysis Date: **3/31/2022** SeqNo: **1527399**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
m,p-Xylene	ND	0.0549						0		30	
o-Xylene	ND	0.0275						0		30	
Surr: Dibromofluoromethane	1.03		1.373		74.7	80	120		0		S
Surr: Toluene-d8	1.65		1.373		120	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.21		1.373		88.0	80	120		0		

NOTES:
S - Outlying surrogate recovery(ies) observed.

Sample ID: **2203718-001BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/31/2022** RunNo: **74466**
Client ID: **BATCH** Batch ID: **35952** Analysis Date: **3/31/2022** SeqNo: **1527401**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.22	0.0243	1.213	0	100	76.9	128				
Toluene	1.24	0.0364	1.213	0	102	79.5	127				
Ethylbenzene	1.41	0.0303	1.213	0	116	81.6	130				
m,p-Xylene	2.66	0.0607	2.426	0	110	80.6	128				
o-Xylene	1.28	0.0303	1.213	0	106	80.1	126				
Surr: Dibromofluoromethane	0.694		1.516		45.8	80	120				S
Surr: Toluene-d8	1.45		1.516		95.5	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.58		1.516		104	80	120				

NOTES:
S - Outlying surrogate recovery attributed to TPH interference.

Sample ID: **LCS-35952** SampType: **LCS** Units: **µg/L** Prep Date: **3/31/2022** RunNo: **74481**
Client ID: **LCSS** Batch ID: **35952** Analysis Date: **3/31/2022** SeqNo: **1527682**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.05	0.0200	1.000	0	105	80	120				
Toluene	1.08	0.0300	1.000	0	108	80	120				
Ethylbenzene	1.04	0.0250	1.000	0	104	80	120				
m,p-Xylene	2.16	0.0500	2.000	0	108	80	120				

Work Order: 2203576
CLIENT: Aspect Consulting
Project: SFH BLOCK 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-35952** SampType: **LCS** Units: **µg/L** Prep Date: **3/31/2022** RunNo: **74481**
Client ID: **LCSS** Batch ID: **35952** Analysis Date: **3/31/2022** SeqNo: **1527682**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
o-Xylene	1.09	0.0250	1.000	0	109	80	120				
Surr: Dibromofluoromethane	1.31		1.250		105	80	120				
Surr: Toluene-d8	1.28		1.250		103	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.35		1.250		108	80	120				

Sample ID: **MB-35952** SampType: **MBLK** Units: **mg/Kg** Prep Date: **3/31/2022** RunNo: **74481**
Client ID: **MBLKS** Batch ID: **35952** Analysis Date: **3/31/2022** SeqNo: **1527680**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0200									
Toluene	ND	0.0300									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Surr: Dibromofluoromethane	1.25		1.250		99.8	80	120				
Surr: Toluene-d8	1.26		1.250		101	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.18		1.250		94.1	80	120				

Sample ID: **2203268-002BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **3/31/2022** RunNo: **74481**
Client ID: **BATCH** Batch ID: **35952** Analysis Date: **3/31/2022** SeqNo: **1527669**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0186						0		30	H
Toluene	ND	0.0279						0		30	H
Ethylbenzene	ND	0.0232						0		30	H
m,p-Xylene	ND	0.0465						0		30	H
o-Xylene	ND	0.0232						0		30	H
Surr: Dibromofluoromethane	1.17		1.162		101	80	120		0		H
Surr: Toluene-d8	1.18		1.162		101	80	120		0		H

Work Order: 2203576
CLIENT: Aspect Consulting
Project: SFH BLOCK 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2203268-002BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **3/31/2022** RunNo: **74481**
Client ID: **BATCH** Batch ID: **35952** Analysis Date: **3/31/2022** SeqNo: **1527669**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1-Bromo-4-fluorobenzene	1.10		1.162		94.7	80	120		0		H

Sample Log-In Check List

Client Name:	**AC**	Work Order Number:	**2203576**
Logged by:	**Clare Griggs**	Date Received:	**3/23/2022 2:03:00 PM**

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 ºC
Sample	5.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

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

Chain of Custody Record & Laboratory Services Agreement

Date: 3-22-2022 Page: 1 of: 3

Laboratory Project No (internal): 2203576

Project Name: SFH BLOCK 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482-B-4

Address: 710 2nd Ave S STE 510

Collected by: MLK

City, State, Zip: Seattle WA 98104

Location: Block 95 Columbia + Minor

Telephone:

Report To (PM): Meilani Lanier-Kamahalo

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: mlkamahao@aspectconsulting.com

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	B95-AB-26-5	3/22/22	0845	S	3													HOLD: Pending Email from Mei
2	B95-AB-26-7.5		0850		3													
3	B95-AB-26-10		0900		3													
4	B95-AB-26-12.5		0903		3													
5	B95-AB-26-15		0908		3													
6	B95-AB-26-17.5		0910		3													
7	B95-AB-26-20.5		0915		3													
8	B95-AB-26-22.5		0920		3													
9	B95-AB-26-26		0930		3													
10	B95-AB-27-5		1040		3													

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
Meilani Lanier-Kamahalo	Meilani Lanier-Kamahalo		x	Porter	3/23/22 12:5
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x Justine Pogue	Justine Pogue	3/23/22 14:03

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

Chain of Custody Record & Laboratory Services Agreement

Date: 3-22-22 Page: 2 of: 3

Laboratory Project No (internal): 2203576

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482-B-4

Address:

Collected by: MLK

City, State, Zip:

Location: Columbia St & Minor Ave, Seattle

Telephone:

Report To (PM): Meitani Lanier-Kamahalo

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: mlkamahalo@aspectconsulting

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	B95-AB-27-8	3/22/22	1045	S	3												HOLD: Pending email from Mei
2	B95-AB-27-10.5		1050														
3	B95-AB-27-15.5		1100														
4	B95-AB-27-18		1105														
5	B95-AB-27-20.5		1110														
6	B95-AB-27-23		1115														
7	B95-AB-27-26		1120														
8	B95-AB-24-5		1240														
9	B95-AB-24-10		1245														
10	B95-AB-24-12.5		1255														

*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

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***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

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

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Melani Lanier-Kamahalo	Meitani Lanier-Kamahalo		x [signature]	Daniel	3/23/22 1250
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x Justine Pogue	Justine Pogue	3/23/22 14:03

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

Chain of Custody Record & Laboratory Services Agreement

Date: 3-22-22 Page: 3 of: 3

Laboratory Project No (internal): 2203576

Project Name: Block95

Project No: 200482-B-4

Collected by: MEK

Location: Seattle

Report To (PM): Mei Lanier-Kamahão

PM Email:

Client: Aspect Consulting

Address:

City, State, Zip:

Telephone:

Fax:

Special Remarks:

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	B95-AB-24-15.5	3/22/22	1300	S														HOLD: Pending email from Mei
2	B95-AB-24-17.5		1310															
3	B95-AB-24-20		1313															
4	B95-AB-24-22.5		1310															
5	B95-AB-24-24		1315															
6	B95-AB-24-26		1320															
7	B95-AB-29-5		1033															
8	B95-AB-81-4.5		1201															
9	B95-TB-032222		—															
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

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***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

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

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Meilani L Kamahão	Meilani Lanier-Kamahão		x Dale	Dale	3/23/22 1250
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x Justine Pogue	Justine Pogue	3/23/22 14:03

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

Chain of Custody Record & Laboratory Services Agreement

Date: 3-22-2022 Page: 1 of: 3

Laboratory Project No (internal): 2203576

Project Name: SFH BLOCK 95

Special Remarks:

X = run per MLK 3/29/22 -cg

Client: Aspect Consulting

Project No: 200482-B-4

Address: 710 2nd Ave S STE 510

Collected by: MLK

City, State, Zip: Seattle WA 98104

Location: Block 95 Columbia + Minor

Telephone:

Report To (PM): Meilani Lanier-Kamahalo

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: mlkamahao@aspectconsulting.com

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	B95-AB-26-5	3/22/22	0845	S	3													HOLD: Pending Email from Mei
2	B95-AB-26-7.5	↓	0850	↓	3													↓
3	B95-AB-26-10		0900		3													
4	B95-AB-26-12.5		0903		3													
5	B95-AB-26-15		0908		3													
6	B95-AB-26-17.5		0910		3													
7	B95-AB-26-20.5		0915		3													
8	B95-AB-26-22.5		0920		3													
9	B95-AB-26-26		0930		3													
10	B95-AB-27-5	↓	1040	↓	3													↓

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**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

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

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
Meilani Lanier-Kamahalo	Meilani Lanier-Kamahalo		x	Portal	3/23/22 12:5
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x Justine Pogue	Justine Pogue	3/23/22 14:03

Fremont Analytical
3600 Fremont Ave N.
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Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 3-22-22 Page: 2 of: 3

Laboratory Project No (internal): 2203576

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482-B-4

Address:

Collected by: MLK

City, State, Zip:

Location: Columbia St & Minor Ave, Seattle

Telephone:

Report To (PM): Meitani Lanier-Kamahalo

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: mlkamahalo@aspectconsulting

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic	Comments
1	B95-AB-27-8	3/22/22	1045	S	3													HOLD: Pending email from Mei
2	B95-AB-27-10.5		1050															
3	B95-AB-27-15.5		1100															
4	B95-AB-27-18		1105															
5	B95-AB-27-20.5		1110															
6	B95-AB-27-23		1115															
7	B95-AB-27-26		1120															
8	B95-AB-24-5		1240				X			X							X	
9	B95-AB-24-10		1245															
10	B95-AB-24-12.5		1255															

*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

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***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

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

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Melani Lanier-Kamahalo	Meitani Lanier-Kamahalo		x [signature]	Daniel	3/23/22 1250
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x Justine Pogue	Justine Pogue	3/23/22 14:03

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

Chain of Custody Record & Laboratory Services Agreement

Date: 3-22-22 Page: 3 of: 3

Laboratory Project No (internal): 2203576

Project Name: Block95

Project No: 200482-B-4

Collected by: MEK

Location: Seattle

Report To (PM): Mei Lanier-Kamahão

PM Email:

Client: Aspect Consulting

Address:

City, State, Zip:

Telephone:

Fax:

Special Remarks:

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	B95-AB-24-15.5	3/22/22	1300	S														HOLD: Pending email from Mei
2	B95-AB-24-17.5		1310															
3	B95-AB-24-20		1313															
4	B95-AB-24-22.5		1310															
5	B95-AB-24-24		1315															
6	B95-AB-24-26		1320															
7	B95-AB-29-5		1033															
8	B95-AB-81-4.5		1201															
9	B95-TB-032222		—															
10																		

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***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

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

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Meilani L Kamahão	Meilani Lanier-Kamahão		x [signature]	Dale	3/23/22 1250
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x Justine Pogue	Justine Pogue	3/23/22 14:03

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3-22-2022 Page: 1 of: 3

Laboratory Project No (internal): 2203576

Project Name: SFH BLOCK 95

Project No: 200482-B-4

Collected by: MLK

Location: Block 95 Columbia + Minor

Report To (PM): Meilani Lanier-Kamahalo

PM Email: mlkamahao@aspectconsulting.com

Client: Aspect Consulting

Address: 710 2nd Ave S STE 510

City, State, Zip: Seattle WA 98104

Telephone:

Fax:

Special Remarks:
Add-on per M.L.K., 3 day TAT 4/4/22 -BB
Add-on per M.L.K., STD TAT 4/4/22 -BB

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic			Comments
1	B95-AB-26-5	3/22/22	0845	S	3																HOLD: Pending Email from Mei
2	B95-AB-26-7.5		0850		3				X									X			added 4/4/2022 -mlk/Aspect
3	B95-AB-26-10		0900		3																
4	B95-AB-26-12.5		0903		3				X												
5	B95-AB-26-15		0908		3																
6	B95-AB-26-17.5		0910		3																
7	B95-AB-26-20.5		0915		3																
8	B95-AB-26-22.5		0920		3																
9	B95-AB-26-26		0930		3																
10	B95-AB-27-5		1040		3				X									X			added 4/4/2022 -mlk/Aspect

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
Melani Lanier-Kamahalo	Melani Lanier-Kamahalo		[signature]	[illegible]	3/23/22 12:5
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			Justine Pogue	Justine Pogue	3/23/22 14:03

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

Chain of Custody Record & Laboratory Services Agreement

Date: 3-22-22 Page: 2 of: 3

Laboratory Project No (internal): 2203576

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482-B-4

Address:

Collected by: MLK

City, State, Zip:

Location: Columbia St & Minor Ave, Seattle

Telephone:

Report To (PM): Meitani Lanier-Kamahalo

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: mlkamahalo@aspectconsulting

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic	Comments
1	B95-AB-27-8	3/22/22	1045	S	3													HOLD: Pending email from Mei
2	B95-AB-27-10.5		1050						X									
3	B95-AB-27-15.5		1100															
4	B95-AB-27-18		1105															
5	B95-AB-27-20.5		1110															
6	B95-AB-27-23		1115															
7	B95-AB-27-26		1120															
8	B95-AB-24-5		1240				X		X								X	
9	B95-AB-24-10		1245						X								X	added 4/4/2022 -mlk/Aspect
10	B95-AB-24-12.5		1255						X									

*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

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***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

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

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x Melani Lanier-Kamahalo	Meitani Lanier-Kamahalo		x [signature]	Daniel	3/23/22 1250
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x Justine Pogue	Justine Pogue	3/23/22 14:03

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

Chain of Custody Record & Laboratory Services Agreement

Date: 3-22-22 Page: 3 of: 3

Laboratory Project No (internal): 2203576

Project Name: Block95

Project No: 200482-B-4

Collected by: MEK

Location: Seattle

Report To (PM): Mei Lanier-Kamahão

PM Email:

Client: Aspect Consulting

Address:

City, State, Zip:

Telephone:

Fax:

Special Remarks:

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	B95-AB-24-15.5	3/22/22	1300	S														HOLD: Pending email from Mei
2	B95-AB-24-17.5		1310															
3	B95-AB-24-20		1313															
4	B95-AB-24-22.5		1310															
5	B95-AB-24-24		1315															
6	B95-AB-24-26		1320															
7	B95-AB-29-5		1033															
8	B95-AB-81-4.5		1201															
9	B95-TB-032222		—															
10																		

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Meilani L Kamahão	Meilani Lanier-Kamahão		Dale	Dale	3/23/22 1250
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
			Justine Pogue	Justine Pogue	3/23/22 14:03

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3-22-2022 Page: 1 of: 3

Laboratory Project No (internal): 2203576

Project Name: SFH BLOCK 95

Project No: 200482-B-4

Collected by: MLK

Location: Block 95 Columbia + Minor

Report To (PM): Meilani Lanier-Kamahalo

PM Email: mlkamahao@aspectconsulting.com

Client: Aspect Consulting

Address: 710 2nd Ave S STE 510

City, State, Zip: Seattle WA 98104

Telephone:

Fax:

Special Remarks:
Add-on per M.L.K., 3 day TAT 4/4/22 -BB
Add-on per M.L.K., STD TAT 4/4/22 -BB
X - Add-on per M.L.K, 3 day TAT 4/8/22 -BB

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic			Comments
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Meilani Lanier-Kamahalo	Meilani Lanier-Kamahalo		x	Porter	3/23/22 12:5
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x			x Justine Pogue	Justine Pogue	3/23/22 14:03

Fremont Analytical
3600 Fremont Ave N.
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Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 3-22-22 Page: 2 of: 3

Laboratory Project No (internal): 2203576

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482-B-4

Address:

Collected by: MLK

City, State, Zip:

Location: Columbia St & Minor Ave, Seattle

Telephone:

Report To (PM): Meitani Lanier-Kamahalo

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: mlkamahalo@aspectconsulting

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic			Comments
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6	B95-AB-27-23		1115																	
7	B95-AB-27-26		1120																	
8	B95-AB-24-5		1240				X			X							X			
9	B95-AB-24-10		1245							X							X			added 4/4/2022 -mlk/Aspect
10	B95-AB-24-12.5		1255							X										

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x			x Justine Pogue	Justine Pogue	3/23/22 14:03

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Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 3-22-22 Page: 3 of: 3

Laboratory Project No (internal): 2203576

Project Name: Block95

Project No: 200482-B-4

Collected by: MEK

Location: Seattle

Report To (PM): Mei Lanier-Kamahão

PM Email:

Client: Aspect Consulting

Address:

City, State, Zip:

Telephone:

Fax:

Special Remarks:

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
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7	B95-AB-29-5		1033															
8	B95-AB-81-4.5		1201															
9	B95-TB-032222		—															
10																		

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x Meilani L Kamahão	Meilani Lanier-Kamahão		x [signature]	Dale	3/23/22 1250
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x Justine Pogue	Justine Pogue	3/23/22 14:03

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Block 95
Work Order Number: 2203611

April 07, 2022

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 37 sample(s) on 3/24/2022 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B

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

Date: *04/07/2022*

CLIENT: Aspect Consulting
Project: Block 95
Work Order: 2203611

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203611-001	B95-AB-28-5	03/23/2022 8:10 AM	03/24/2022 3:23 PM
2203611-002	B95-AB-28-7.5	03/23/2022 8:15 AM	03/24/2022 3:23 PM
2203611-003	B95-AB-28-10	03/23/2022 8:20 AM	03/24/2022 3:23 PM
2203611-004	B95-AB-28-12.5	03/23/2022 8:25 AM	03/24/2022 3:23 PM
2203611-005	B95-AB-28-15	03/23/2022 8:30 AM	03/24/2022 3:23 PM
2203611-006	B95-AB-28-17.5	03/23/2022 8:35 AM	03/24/2022 3:23 PM
2203611-007	B95-AB-28-20	03/23/2022 8:40 AM	03/24/2022 3:23 PM
2203611-008	B95-AB-28-22.5	03/23/2022 8:45 AM	03/24/2022 3:23 PM
2203611-009	B95-AB-28-26	03/23/2022 8:50 AM	03/24/2022 3:23 PM
2203611-010	B95-AB-32-5	03/23/2022 10:00 AM	03/24/2022 3:23 PM
2203611-011	B95-AB-32-7.5	03/23/2022 10:05 AM	03/24/2022 3:23 PM
2203611-012	B95-AB-32-10	03/23/2022 10:10 AM	03/24/2022 3:23 PM
2203611-013	B95-AB-32-12.5	03/23/2022 10:15 AM	03/24/2022 3:23 PM
2203611-014	B95-AB-32-15	03/23/2022 10:20 AM	03/24/2022 3:23 PM
2203611-015	B95-AB-32-17.5	03/23/2022 10:25 AM	03/24/2022 3:23 PM
2203611-016	B95-AB-32-20	03/23/2022 10:30 AM	03/24/2022 3:23 PM
2203611-017	B95-AB-33-2.5	03/23/2022 11:00 AM	03/24/2022 3:23 PM
2203611-018	B95-AB-33-5.0	03/23/2022 11:05 AM	03/24/2022 3:23 PM
2203611-019	B95-AB-33-7.5	03/23/2022 11:10 AM	03/24/2022 3:23 PM
2203611-020	B95-AB-25-5.0	03/23/2022 12:45 PM	03/24/2022 3:23 PM
2203611-020	B95-AB-25-5.0	03/23/2022 12:45 PM	03/24/2022 3:23 PM
2203611-021	B95-AB-25-7.5	03/23/2022 12:50 PM	03/24/2022 3:23 PM
2203611-022	B95-AB-25-10	03/23/2022 12:55 PM	03/24/2022 3:23 PM
2203611-023	B95-AB-25-12.5	03/23/2022 1:00 PM	03/24/2022 3:23 PM
2203611-024	B95-AB-25-15	03/23/2022 1:05 PM	03/24/2022 3:23 PM
2203611-025	B95-AB-25-17.5	03/23/2022 1:10 PM	03/24/2022 3:23 PM
2203611-026	B95-AB-25-20	03/23/2022 1:15 PM	03/24/2022 3:23 PM
2203611-027	B95-AB-25-22.5	03/23/2022 1:20 PM	03/24/2022 3:23 PM
2203611-028	B95-AB-25-25	03/23/2022 1:25 PM	03/24/2022 3:23 PM
2203611-029	B95-AB-30-5	03/23/2022 2:15 PM	03/24/2022 3:23 PM
2203611-030	B95-AB-30-7.5	03/23/2022 1:25 PM	03/24/2022 3:23 PM
2203611-031	B95-AB-30-10	03/23/2022 2:25 PM	03/24/2022 3:23 PM
2203611-032	B95-AB-30-12.5	03/23/2022 2:30 PM	03/24/2022 3:23 PM
2203611-033	B95-AB-30-15	03/23/2022 2:33 PM	03/24/2022 3:23 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Block 95
Work Order: 2203611

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203611-034	B95-AB-30-17.5	03/23/2022 2:40 PM	03/24/2022 3:23 PM
2203611-035	B95-AB-30-20	03/23/2022 2:45 PM	03/24/2022 3:23 PM
2203611-036	B95-TB-04		03/24/2022 3:23 PM
2203611-037	B95-TB-05		03/24/2022 3:23 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2203611**

Date: **4/7/2022**

CLIENT: Aspect Consulting
Project: Block 95

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.

4/7/2022: Revision 1 includes additional analysis per client request.

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

Analytical Report

Work Order: **2203611**
Date Reported: **4/7/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 8:15:00 AM
Project: Block 95
Lab ID: 2203611-002
Matrix: Soil
Client Sample ID: **B95-AB-28-7.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 35929		Analyst: EH
Arsenic	35.8	0.106		mg/Kg-dry	1	3/30/2022 3:25:00 PM
Sample Moisture (Percent Moisture)				Batch ID: R74413		Analyst: ALB
Percent Moisture	11.2	0.500		wt%	1	3/30/2022 9:28:48 AM

Analytical Report

Work Order: **2203611**
Date Reported: **4/7/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 8:25:00 AM
Project: Block 95
Lab ID: 2203611-004
Matrix: Soil
Client Sample ID: **B95-AB-28-12.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35938		Analyst: MM
Diesel (Fuel Oil)	ND	53.3		mg/Kg-dry	1	3/30/2022 6:44:56 PM
Heavy Oil	ND	107		mg/Kg-dry	1	3/30/2022 6:44:56 PM
Total Petroleum Hydrocarbons	ND	160		mg/Kg-dry	1	3/30/2022 6:44:56 PM
Surr: 2-Fluorobiphenyl	97.4	50 - 150		%Rec	1	3/30/2022 6:44:56 PM
Surr: o-Terphenyl	100	50 - 150		%Rec	1	3/30/2022 6:44:56 PM
Sample Moisture (Percent Moisture)				Batch ID: R74413		Analyst: ALB
Percent Moisture	8.90	0.500		wt%	1	3/30/2022 9:28:48 AM

Analytical Report

Work Order: **2203611**
Date Reported: **4/7/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 8:50:00 AM
Project: Block 95
Lab ID: 2203611-009
Matrix: Soil
Client Sample ID: **B95-AB-28-26**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35938		Analyst: MM
Diesel (Fuel Oil)	ND	49.2		mg/Kg-dry	1	3/30/2022 6:55:52 PM
Heavy Oil	ND	98.4		mg/Kg-dry	1	3/30/2022 6:55:52 PM
Total Petroleum Hydrocarbons	ND	148		mg/Kg-dry	1	3/30/2022 6:55:52 PM
Surr: 2-Fluorobiphenyl	102	50 - 150		%Rec	1	3/30/2022 6:55:52 PM
Surr: o-Terphenyl	102	50 - 150		%Rec	1	3/30/2022 6:55:52 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 35936		Analyst: OK
Naphthalene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
2-Methylnaphthalene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
1-Methylnaphthalene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Acenaphthylene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Acenaphthene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Fluorene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Phenanthrene	ND	41.8		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Anthracene	ND	41.8		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Fluoranthene	ND	41.8		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Pyrene	ND	41.8		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Benz(a)anthracene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Chrysene	ND	41.8		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Benzo(b)fluoranthene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Benzo(k)fluoranthene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Benzo(a)pyrene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Indeno(1,2,3-cd)pyrene	ND	41.8		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Dibenz(a,h)anthracene	ND	41.8		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Benzo(g,h,i)perylene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Surr: 2-Fluorobiphenyl	94.2	29.6 - 130		%Rec	1	3/30/2022 7:45:43 PM
Surr: Terphenyl-d14 (surr)	106	38 - 145		%Rec	1	3/30/2022 7:45:43 PM
Total Metals by EPA Method 6020B				Batch ID: 35929		Analyst: EH
Arsenic	2.45	0.0924		mg/Kg-dry	1	3/30/2022 3:27:45 PM
Sample Moisture (Percent Moisture)				Batch ID: R74413		Analyst: ALB
Percent Moisture	8.57	0.500		wt%	1	3/30/2022 9:28:48 AM

Analytical Report

Work Order: **2203611**
Date Reported: **4/7/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 10:05:00 AM
Project: Block 95
Lab ID: 2203611-011
Matrix: Soil
Client Sample ID: **B95-AB-32-7.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35938		Analyst: MM
Diesel (Fuel Oil)	ND	52.4		mg/Kg-dry	1	3/30/2022 7:06:45 PM
Heavy Oil	ND	105		mg/Kg-dry	1	3/30/2022 7:06:45 PM
Total Petroleum Hydrocarbons	ND	157		mg/Kg-dry	1	3/30/2022 7:06:45 PM
Surr: 2-Fluorobiphenyl	107	50 - 150		%Rec	1	3/30/2022 7:06:45 PM
Surr: o-Terphenyl	106	50 - 150		%Rec	1	3/30/2022 7:06:45 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 35936		Analyst: OK
Naphthalene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
2-Methylnaphthalene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
1-Methylnaphthalene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Acenaphthylene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Acenaphthene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Fluorene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Phenanthrene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Anthracene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Fluoranthene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Pyrene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Benz(a)anthracene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Chrysene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Benzo(b)fluoranthene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Benzo(k)fluoranthene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Benzo(a)pyrene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Indeno(1,2,3-cd)pyrene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Dibenz(a,h)anthracene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Benzo(g,h,i)perylene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Surr: 2-Fluorobiphenyl	95.1	29.6 - 130		%Rec	1	3/30/2022 9:09:22 PM
Surr: Terphenyl-d14 (surr)	104	38 - 145		%Rec	1	3/30/2022 9:09:22 PM
Sample Moisture (Percent Moisture)				Batch ID: R74413		Analyst: ALB
Percent Moisture	7.43	0.500		wt%	1	3/30/2022 9:28:48 AM

Analytical Report

Work Order: **2203611**
Date Reported: **4/7/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 11:10:00 AM
Project: Block 95
Lab ID: 2203611-019
Matrix: Soil
Client Sample ID: **B95-AB-33-7.5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35938		Analyst: MM
Diesel (Fuel Oil)	ND	51.1		mg/Kg-dry	1	3/30/2022 7:17:39 PM
Heavy Oil	ND	102		mg/Kg-dry	1	3/30/2022 7:17:39 PM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	3/30/2022 7:17:39 PM
Surr: 2-Fluorobiphenyl	99.7	50 - 150		%Rec	1	3/30/2022 7:17:39 PM
Surr: o-Terphenyl	99.7	50 - 150		%Rec	1	3/30/2022 7:17:39 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 35936		Analyst: OK
Naphthalene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
2-Methylnaphthalene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
1-Methylnaphthalene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Acenaphthylene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Acenaphthene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Fluorene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Phenanthrene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Anthracene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Fluoranthene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Pyrene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Benz(a)anthracene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Chrysene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Benzo(b)fluoranthene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Benzo(k)fluoranthene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Benzo(a)pyrene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Indeno(1,2,3-cd)pyrene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Dibenz(a,h)anthracene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Benzo(g,h,i)perylene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Surr: 2-Fluorobiphenyl	105	29.6 - 130		%Rec	1	3/30/2022 9:37:16 PM
Surr: Terphenyl-d14 (surr)	114	38 - 145		%Rec	1	3/30/2022 9:37:16 PM
Total Metals by EPA Method 6020B				Batch ID: 35929		Analyst: EH
Arsenic	2.43	0.100		mg/Kg-dry	1	3/30/2022 3:30:29 PM
Sample Moisture (Percent Moisture)				Batch ID: R74413		Analyst: ALB
Percent Moisture	9.37	0.500		wt%	1	3/30/2022 9:28:48 AM

Analytical Report

Work Order: **2203611**
Date Reported: **4/7/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 12:45:00 PM
Project: Block 95
Lab ID: 2203611-020
Matrix: Soil
Client Sample ID: **B95-AB-25-5.0**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35974		Analyst: MM
Diesel (Fuel Oil)	ND	51.2		mg/Kg-dry	1	4/5/2022 1:35:38 AM
Heavy Oil	130	102		mg/Kg-dry	1	4/5/2022 1:35:38 AM
Total Petroleum Hydrocarbons	ND	154		mg/Kg-dry	1	4/5/2022 1:35:38 AM
Surr: 2-Fluorobiphenyl	85.2	50 - 150		%Rec	1	4/5/2022 1:35:38 AM
Surr: o-Terphenyl	85.6	50 - 150		%Rec	1	4/5/2022 1:35:38 AM
Total Metals by EPA Method 6020B				Batch ID: 35984		Analyst: EH
Arsenic	9.79	0.100		mg/Kg-dry	1	4/5/2022 4:34:30 PM
Sample Moisture (Percent Moisture)				Batch ID: R74521		Analyst: ALB
Percent Moisture	5.86	0.500		wt%	1	4/4/2022 2:27:04 PM

Analytical Report

Work Order: **2203611**
Date Reported: **4/7/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 2:15:00 PM
Project: Block 95
Lab ID: 2203611-029
Matrix: Soil
Client Sample ID: **B95-AB-30-5**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35938		Analyst: MM
Diesel (Fuel Oil)	ND	55.6		mg/Kg-dry	1	3/30/2022 7:28:30 PM
Heavy Oil	ND	111		mg/Kg-dry	1	3/30/2022 7:28:30 PM
Total Petroleum Hydrocarbons	ND	167		mg/Kg-dry	1	3/30/2022 7:28:30 PM
Surr: 2-Fluorobiphenyl	97.3	50 - 150		%Rec	1	3/30/2022 7:28:30 PM
Surr: o-Terphenyl	95.8	50 - 150		%Rec	1	3/30/2022 7:28:30 PM
Total Metals by EPA Method 6020B				Batch ID: 35929		Analyst: EH
Arsenic	2.64	0.101		mg/Kg-dry	1	3/30/2022 3:38:44 PM
Sample Moisture (Percent Moisture)				Batch ID: R74413		Analyst: ALB
Percent Moisture	17.2	0.500		wt%	1	3/30/2022 9:28:48 AM

Analytical Report

Work Order: **2203611**
Date Reported: **4/7/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 2:45:00 PM
Project: Block 95
Lab ID: 2203611-035
Matrix: Soil
Client Sample ID: **B95-AB-30-20**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35938		Analyst: MM
Diesel (Fuel Oil)	ND	56.2		mg/Kg-dry	1	3/30/2022 7:39:23 PM
Heavy Oil	ND	112		mg/Kg-dry	1	3/30/2022 7:39:23 PM
Total Petroleum Hydrocarbons	ND	169		mg/Kg-dry	1	3/30/2022 7:39:23 PM
Surr: 2-Fluorobiphenyl	90.4	50 - 150		%Rec	1	3/30/2022 7:39:23 PM
Surr: o-Terphenyl	93.5	50 - 150		%Rec	1	3/30/2022 7:39:23 PM
Sample Moisture (Percent Moisture)				Batch ID: R74413		Analyst: ALB
Percent Moisture	11.5	0.500		wt%	1	3/30/2022 9:28:48 AM

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-35929** SampType: **MBLK** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74441**
Client ID: **MBLKS** Batch ID: **35929** Analysis Date: **3/30/2022** SeqNo: **1526840**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0960									

Sample ID: **LCS-35929** SampType: **LCS** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74441**
Client ID: **LCSS** Batch ID: **35929** Analysis Date: **3/30/2022** SeqNo: **1526841**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	36.4	0.0945	39.37	0	92.6	80	120				

Sample ID: **2203576-018AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74441**
Client ID: **BATCH** Batch ID: **35929** Analysis Date: **3/30/2022** SeqNo: **1526844**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	74.4	0.106	44.13	25.39	111	75	125				

Sample ID: **2203576-018AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74441**
Client ID: **BATCH** Batch ID: **35929** Analysis Date: **3/30/2022** SeqNo: **1526845**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	73.2	0.106	44.13	25.39	108	75	125	74.39	1.58	20	

Sample ID: **MB-35984** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/4/2022** RunNo: **74560**
Client ID: **MBLKS** Batch ID: **35984** Analysis Date: **4/5/2022** SeqNo: **1529578**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0923									

Date: *4/7/2022*

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **LCS-35984** SampType: **LCS** Units: **mg/Kg** Prep Date: **4/4/2022** RunNo: **74560**
Client ID: **LCSS** Batch ID: **35984** Analysis Date: **4/5/2022** SeqNo: **1529579**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	37.9	0.0896	37.31	0	102	80	120				

Sample ID: **2203576-002AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74560**
Client ID: **BATCH** Batch ID: **35984** Analysis Date: **4/5/2022** SeqNo: **1529582**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	47.5	0.101	42.20	2.966	106	75	125				

Sample ID: **2203576-002AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74560**
Client ID: **BATCH** Batch ID: **35984** Analysis Date: **4/5/2022** SeqNo: **1529583**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	46.2	0.102	42.53	2.966	102	75	125	47.54	2.86	20	

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **LCS-35938** SampType: **LCS** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **LCSS** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527206**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	424	150	500.0	0	84.8	76.1	133				
Surr: 2-Fluorobiphenyl	11.8		10.00		118	50	150				
Surr: o-Terphenyl	13.3		10.00		133	50	150				

Sample ID: **LCSD-35938** SampType: **LCSD** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **LCSS02** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527207**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	512	150	500.0	0	102	76.1	133	424.1	18.8	30	
Surr: 2-Fluorobiphenyl	13.4		10.00		134	50	150		0		
Surr: o-Terphenyl	14.6		10.00		146	50	150		0		

Sample ID: **MB-35938** SampType: **MBLK** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **MBLKS** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527208**

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	11.9		10.00		119	50	150				
Surr: o-Terphenyl	11.6		10.00		116	50	150				

Sample ID: **2203576-018AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **BATCH** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527223**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,520	168	558.7	2,065	-98.5	62.2	146				S
Surr: 2-Fluorobiphenyl	13.1		11.17		117	50	150				
Surr: o-Terphenyl	15.2		11.17		136	50	150				

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2203576-018AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **BATCH** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527223**

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: **2203576-018AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **BATCH** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527224**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,740	169	564.2	2,065	-57.2	62.2	146	1,515	14.0	30	S
Surr: 2-Fluorobiphenyl	13.3		11.28		118	50	150		0		
Surr: o-Terphenyl	15.7		11.28		139	50	150		0		

NOTES:
S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Sample ID: **LCS-35974** SampType: **LCS** Units: **mg/Kg** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **LCSS** Batch ID: **35974** Analysis Date: **4/4/2022** SeqNo: **1528761**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	439	150	500.0	0	87.8	76.1	133				
Surr: 2-Fluorobiphenyl	8.85		10.00		88.5	50	150				
Surr: o-Terphenyl	10.5		10.00		105	50	150				

Sample ID: **LCSD-35974** SampType: **LCSD** Units: **mg/Kg** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **LCSS02** Batch ID: **35974** Analysis Date: **4/4/2022** SeqNo: **1528762**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	458	150	500.0	0	91.7	76.1	133	439.2	4.30	30	
Surr: 2-Fluorobiphenyl	9.57		10.00		95.7	50	150		0		
Surr: o-Terphenyl	10.5		10.00		105	50	150		0		

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-35974** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **MBLKS** Batch ID: **35974** Analysis Date: **4/4/2022** SeqNo: **1528770**

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	8.92		10.00		89.2	50	150				
Surr: o-Terphenyl	8.46		10.00		84.6	50	150				

Sample ID: **2203704-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **BATCH** Batch ID: **35974** Analysis Date: **4/4/2022** SeqNo: **1528805**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	822	156	520.7	695.0	24.4	62.2	146				S
Surr: 2-Fluorobiphenyl	8.53		10.41		81.9	50	150				
Surr: o-Terphenyl	9.68		10.41		93.0	50	150				

NOTES:
S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.

Sample ID: **2203704-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **BATCH** Batch ID: **35974** Analysis Date: **4/4/2022** SeqNo: **1528806**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	907	159	531.4	695.0	39.9	62.2	146	822.0	9.81	30	S
Surr: 2-Fluorobiphenyl	10.7		10.63		101	50	150		0		
Surr: o-Terphenyl	12.3		10.63		116	50	150		0		

NOTES:
S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.

Sample ID: **2203611-020ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **B95-AB-25-5.0** Batch ID: **35974** Analysis Date: **4/5/2022** SeqNo: **1528968**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.7						0		30	

Date: *4/7/2022*

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2203611-020ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **B95-AB-25-5.0** Batch ID: **35974** Analysis Date: **4/5/2022** SeqNo: **1528968**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	152	101						129.8	15.5	30	
Total Petroleum Hydrocarbons	ND	152						0		30	
Surr: 2-Fluorobiphenyl	9.80		10.15		96.6	50	150		0		
Surr: o-Terphenyl	9.99		10.15		98.5	50	150		0		

Date: *4/7/2022*

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **MB-35936** SampType: **MBLK** Units: **µg/Kg** Prep Date: **3/30/2022** RunNo: **74455**
Client ID: **MBLKS** Batch ID: **35936** Analysis Date: **3/30/2022** SeqNo: **1527058**

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	1,080		1,000		108	29.6	130				
Surr: Terphenyl-d14 (surr)	1,240		1,000		124	38	145				

Sample ID: **LCS-35936** SampType: **LCS** Units: **µg/Kg** Prep Date: **3/30/2022** RunNo: **74455**
Client ID: **LCSS** Batch ID: **35936** Analysis Date: **3/30/2022** SeqNo: **1527059**

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	1,860	20.0	2,000	0	93.2	60.4	121				
1-Methylnaphthalene	1,850	20.0	2,000	0	92.3	62	119				
Acenaphthylene	1,760	20.0	2,000	0	88.2	58.5	120				
Acenaphthene	1,900	20.0	2,000	0	94.9	57.8	117				

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **LCS-35936** SampType: **LCS** Units: **µg/Kg** Prep Date: **3/30/2022** RunNo: **74455**
Client ID: **LCSS** Batch ID: **35936** Analysis Date: **3/30/2022** SeqNo: **1527059**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	1,930	20.0	2,000	0	96.6	60.3	122				
Phenanthrene	1,890	40.0	2,000	0	94.5	58.6	120				
Anthracene	1,860	40.0	2,000	0	92.9	58.1	122				
Fluoranthene	1,920	40.0	2,000	0	96.0	61.8	123				
Pyrene	1,910	40.0	2,000	0	95.3	59.8	122				
Benz(a)anthracene	1,940	20.0	2,000	0	97.1	62.7	123				
Chrysene	1,880	40.0	2,000	0	94.2	56.2	123				
Benzo(b)fluoranthene	2,170	20.0	2,000	0	108	56.6	126				
Benzo(k)fluoranthene	1,930	20.0	2,000	0	96.5	56.9	131				
Benzo(a)pyrene	1,920	20.0	2,000	0	95.9	63.8	134				
Indeno(1,2,3-cd)pyrene	2,070	40.0	2,000	0	104	59.3	122				
Dibenz(a,h)anthracene	2,110	40.0	2,000	0	105	60.4	125				
Benzo(g,h,i)perylene	1,850	20.0	2,000	0	92.5	52.7	126				
Surr: 2-Fluorobiphenyl	1,100		1,000		110	29.6	130				
Surr: Terphenyl-d14 (surr)	1,170		1,000		117	38	145				

Sample ID: **2203611-009AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74455**
Client ID: **B95-AB-28-26** Batch ID: **35936** Analysis Date: **3/30/2022** SeqNo: **1527061**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,890	20.3	2,025	0	93.4	30.2	123				
2-Methylnaphthalene	1,810	20.3	2,025	0	89.4	40.9	115				
1-Methylnaphthalene	1,790	20.3	2,025	0	88.5	35.6	121				
Acenaphthylene	1,730	20.3	2,025	0	85.2	37.6	117				
Acenaphthene	1,870	20.3	2,025	0	92.2	35.6	115				
Fluorene	1,900	20.3	2,025	0	94.0	38.8	119				
Phenanthrene	1,860	40.5	2,025	0	91.8	32.8	120				
Anthracene	1,830	40.5	2,025	0	90.2	33.7	122				
Fluoranthene	1,890	40.5	2,025	0	93.3	37.5	124				
Pyrene	1,870	40.5	2,025	0	92.5	34	122				

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2203611-009AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74455**
Client ID: **B95-AB-28-26** Batch ID: **35936** Analysis Date: **3/30/2022** SeqNo: **1527061**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,910	20.3	2,025	4.215	94.3	34.7	127				
Chrysene	1,850	40.5	2,025	0	91.5	33.4	120				
Benzo(b)fluoranthene	2,060	20.3	2,025	0	102	31.8	125				
Benzo(k)fluoranthene	1,950	20.3	2,025	0	96.3	30.2	129				
Benzo(a)pyrene	1,870	20.3	2,025	0	92.5	31.3	139				
Indeno(1,2,3-cd)pyrene	2,020	40.5	2,025	0	99.7	22.8	126				
Dibenz(a,h)anthracene	2,040	40.5	2,025	0	101	28.1	127				
Benzo(g,h,i)perylene	1,800	20.3	2,025	0	89.0	18.7	125				
Surr: 2-Fluorobiphenyl	1,070		1,013		106	29.6	130				
Surr: Terphenyl-d14 (surr)	1,140		1,013		113	38	145				

Sample ID: **2203611-009AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74455**
Client ID: **B95-AB-28-26** Batch ID: **35936** Analysis Date: **3/30/2022** SeqNo: **1527062**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,800	21.2	2,118	0	84.9	30.2	123	1,893	5.17	30	
2-Methylnaphthalene	1,700	21.2	2,118	0	80.4	40.9	115	1,811	6.22	30	
1-Methylnaphthalene	1,690	21.2	2,118	0	79.6	35.6	121	1,792	6.09	30	
Acenaphthylene	1,620	21.2	2,118	0	76.3	37.6	117	1,726	6.58	30	
Acenaphthene	1,750	21.2	2,118	0	82.7	35.6	115	1,867	6.48	30	
Fluorene	1,770	21.2	2,118	0	83.6	38.8	119	1,904	7.27	30	
Phenanthrene	1,750	42.4	2,118	0	82.8	32.8	120	1,858	5.88	30	
Anthracene	1,720	42.4	2,118	0	81.1	33.7	122	1,827	6.16	30	
Fluoranthene	1,770	42.4	2,118	0	83.7	37.5	124	1,890	6.35	30	
Pyrene	1,760	42.4	2,118	0	83.0	34	122	1,874	6.44	30	
Benz(a)anthracene	1,810	21.2	2,118	4.215	85.3	34.7	127	1,915	5.53	30	
Chrysene	1,750	42.4	2,118	0	82.8	33.4	120	1,854	5.61	30	
Benzo(b)fluoranthene	1,950	21.2	2,118	0	92.0	31.8	125	2,059	5.52	30	
Benzo(k)fluoranthene	1,840	21.2	2,118	0	87.0	30.2	129	1,951	5.71	30	
Benzo(a)pyrene	1,800	21.2	2,118	0	84.8	31.3	139	1,873	4.16	30	

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2203611-009AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74455**
Client ID: **B95-AB-28-26** Batch ID: **35936** Analysis Date: **3/30/2022** SeqNo: **1527062**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	1,870	42.4	2,118	0	88.4	22.8	126	2,019	7.60	30	
Dibenz(a,h)anthracene	1,900	42.4	2,118	0	89.9	28.1	127	2,041	6.96	30	
Benzo(g,h,i)perylene	1,680	21.2	2,118	0	79.3	18.7	125	1,802	7.05	30	
Surr: 2-Fluorobiphenyl	1,020		1,059		96.1	29.6	130		0		
Surr: Terphenyl-d14 (surr)	1,080		1,059		102	38	145		0		

Sample Log-In Check List

Client Name:	**AC**	Work Order Number:	**2203611**
Logged by:	**Gabrielle Coeuille**	Date Received:	**3/24/2022 3:23:00 PM**

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 ºC
Sample 1	1.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/ /22 Page: 1 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanier-Kamchio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Comments
1	B95-AB-28-5	3/23/22	0810	Soil	3																	Hold All
2	B95-AB-28-7.5		0815																			
3	B95-AB-28-10		0820																			
4	B95-AB-28-12.5		0825																			
5	B95-AB-28-15		0830																			
6	B95-AB-28-17.5		0835																			
7	B95-AB-28-20		0840																			
8	B95-AB-28-22.5		0845																			
9	B95-AB-28-26		0850																			
10	B95-AB-32-5		1000																			

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
	Daniel Babcock	3/23/22	x	Clare Griggs	3/24/22 1520
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 2 of: 4

Laboratory Project No (internal): 2203611

Special Remarks:

Project Name: Blak 95

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanio - Kamahio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Comments
1	B95-AB-32-7.5	3/23/22	1005	Soil	3																	Hold All
2	B95-AB-32-10		1010																			
3	B95-AB-32-12.5		1015																			
4	B95-AB-32-15		1020																			
5	B95-AB-32-17.5		1025																			
6	B95-AB-32-20		1030																			
7	B95-AB-33-2.5		1100																			
8	B95-AB-33-5.0		1105																			
9	B95-AB-33-7.5		1110																			
10	B95-AB-25-5.0		1245																			

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Black	3/23/22	x	Claire Griggs	3/24/22 1323
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 3 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mai Lanier-Kamdhio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	B95-AB-25-7.5	3/23/22	1250	So. I	3												
2	B95-AB-25-10	↓	1255	↓	↓												
3	B95-AB-25-12.5		1300														
4	B95-AB-25-15		1305														
5	B95-AB-25-~~20~~ 23 17.5		1310														
6	B95-AB-25-20		1315														
7	B95-AB-25-22.5		1320														
8	B95-AB-25-25		1325														
9	B95-AB-30-5		1415														
10	B95-AB-30-7.5	↓	1420	↓	↓												

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Block	3/23/22	x	Clare Griggs	3/24/22 1523
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 4 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanier-Kamahele'o

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Comments
1	B95-AB-30-10	3/23/22	1425	Soil	3																Hold All
2	B95-AB-30-12.5	↓	1430		↓																↓
3	B95-AB-30-15		1435																		
4	B95-AB-30-17.5		1440																		
5	B95-AB-30-20	↓	1445		↓																
6	B95-TB-04	–	–	AQ	1																
7	B95-TB-05	–	–	AQ	1																↓
8	~~TB1 03232~~	–																			
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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Bokrak	3/23/22	x		3/24/22 1523
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 1 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks: X = run per MLK 3/29/22 -cg

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanier-Kamchio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic			Comments
1	B95-AB-28-5	3/23/22	0810	Soil	3																Hold All
2	B95-AB-28-7.5		0815															X			
3	B95-AB-28-10		0820																		
4	B95-AB-28-12.5		0825							X											
5	B95-AB-28-15		0830																		
6	B95-AB-28-17.5		0835																		
7	B95-AB-28-20		0840																		
8	B95-AB-28-22.5		0845																		
9	B95-AB-28-26		0850							X		X						X			
10	B95-AB-32-5		1000																		

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
DRB	Dinel Babcock	3/23/22	x	Clare Griggs	3/24/22 1520
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 2 of: 4

Laboratory Project No (internal): 2203611

Project Name: Blak 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanio - Kamahele

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic			Comments
1	B95-AB-32-7.5	3/23/22	1005	Soil	3					X		X									Hold All
2	B95-AB-32-10		1010																		
3	B95-AB-32-12.5		1015																		
4	B95-AB-32-15		1020																		
5	B95-AB-32-17.5		1025																		
6	B95-AB-32-20		1030																		
7	B95-AB-33-2.5		1100																		
8	B95-AB-33-5.0		1105																		
9	B95-AB-33-7.5		1110							X		X						X			
10	B95-AB-25-5.0		1245																		

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Black	3/23/22	x	Claire Griggs	3/24/22 1323
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 3 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mai Lanier-Kamdhio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic			Comments
1	B95-AB-25-7.5	3/23/22	1250	Soil	3															
2	B95-AB-25-10		1255																	
3	B95-AB-25-12.5		1300																	
4	B95-AB-25-15		1305																	
5	B95-AB-25-~~20~~ 17.5		1310																	
6	B95-AB-25-20		1315																	
7	B95-AB-25-22.5		1320																	
8	B95-AB-25-25		1325																	
9	B95-AB-30-5		1415						X								X			
10	B95-AB-30-7.5		1420																	

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Block	3/23/22	x	Claire Griggs	3/24/22 1523
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 4 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanier-Kamahele'o

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Comments
1	B95-AB-30-10	3/23/22	1425	Soil	3																Hold All
2	B95-AB-30-12.5	↓	1430		↓																↓
3	B95-AB-30-15		1435																		
4	B95-AB-30-17.5		1440																		
5	B95-AB-30-20	↓	1445		↓					X											
6	B95-TB-04	–	–	AQ	1																
7	B95-TB-05	–	–	AQ	1																↓
8	~~TB1 032322~~	–																			
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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Bokrak	3/23/22	x		3/24/22 1523
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 1 of: 4

Laboratory Project No (internal): 2203611

Special Remarks:

Edits per MLK, 3 day TAT -BB 4/4/22

Project Name: Block 95

Project No: 200482

Client: Aspect Consulting

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanier-Kamchio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)		Arsenic			Comments
1	B95-AB-28-5	3/23/22	0810	So.1	3																	Hold All
2	B95-AB-28-7.5		0815																X			
3	B95-AB-28-10		0820																			
4	B95-AB-28-12.5		0825							X												
5	B95-AB-28-15		0830																			
6	B95-AB-28-17.5		0835																			
7	B95-AB-28-20		0840																			
8	B95-AB-28-22.5		0845																			
9	B95-AB-28-26		0850							X		X							X			
10	B95-AB-32-5		1000																			

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
DRB	Daniel Babcock	3/23/22	Clare Griggs	Clare Griggs	3/24/22 1520
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 2 of: 4

Laboratory Project No (internal): 2203611

Project Name: Blak 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanio - Kamahio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic			Comments
1	B95-AB-32-7.5	3/23/22	1005	Soil	3					X		X									Hold All
2	B95-AB-32-10		1010																		
3	B95-AB-32-12.5		1015																		
4	B95-AB-32-15		1020																		
5	B95-AB-32-17.5		1025																		
6	B95-AB-32-20		1030																		
7	B95-AB-33-2.5		1100																		
8	B95-AB-33-5.0		1105																		
9	B95-AB-33-7.5		1110							X		X						X			
10	B95-AB-25-5.0		1245							X								X			added 4.4.22 mlk/Aspect

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Black	3/23/22	x	Claire Griggs	3/24/22 1323
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 3 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mai Lanier-Kamdhio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic			Comments
1	B95-AB-25-7.5	3/23/22	1250	Soil	3															
2	B95-AB-25-10		1255																	
3	B95-AB-25-12.5		1300																	
4	B95-AB-25-15		1305																	
5	B95-AB-25-~~20~~ 17.5		1310																	
6	B95-AB-25-20		1315																	
7	B95-AB-25-22.5		1320																	
8	B95-AB-25-25		1325																	
9	B95-AB-30-5		1415						X								X			
10	B95-AB-30-7.5		1420																	

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Block	3/23/22	x	Clare Griggs	3/24/22 1523
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 4 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanier-Kamahele'o

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Comments
1	B95-AB-30-10	3/23/22	1425	Soil	3																Hold All
2	B95-AB-30-12.5	↓	1430		↓																↓
3	B95-AB-30-15		1435																		
4	B95-AB-30-17.5		1440																		
5	B95-AB-30-20	↓	1445		↓					X											
6	B95-TB-04	–	–	AQ	1																
7	B95-TB-05	–	–	AQ	1																↓
8	~~TB1 03322~~	–																			
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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Bokrak	3/23/22	x		3/24/22 1523
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Block 95
Work Order Number: 2203611

April 13, 2022

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 37 sample(s) on 3/24/2022 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B

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

Date: *04/13/2022*

CLIENT: Aspect Consulting
Project: Block 95
Work Order: 2203611

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203611-001	B95-AB-28-5	03/23/2022 8:10 AM	03/24/2022 3:23 PM
2203611-002	B95-AB-28-7.5	03/23/2022 8:15 AM	03/24/2022 3:23 PM
2203611-003	B95-AB-28-10	03/23/2022 8:20 AM	03/24/2022 3:23 PM
2203611-004	B95-AB-28-12.5	03/23/2022 8:25 AM	03/24/2022 3:23 PM
2203611-005	B95-AB-28-15	03/23/2022 8:30 AM	03/24/2022 3:23 PM
2203611-006	B95-AB-28-17.5	03/23/2022 8:35 AM	03/24/2022 3:23 PM
2203611-007	B95-AB-28-20	03/23/2022 8:40 AM	03/24/2022 3:23 PM
2203611-008	B95-AB-28-22.5	03/23/2022 8:45 AM	03/24/2022 3:23 PM
2203611-009	B95-AB-28-26	03/23/2022 8:50 AM	03/24/2022 3:23 PM
2203611-010	B95-AB-32-5	03/23/2022 10:00 AM	03/24/2022 3:23 PM
2203611-011	B95-AB-32-7.5	03/23/2022 10:05 AM	03/24/2022 3:23 PM
2203611-012	B95-AB-32-10	03/23/2022 10:10 AM	03/24/2022 3:23 PM
2203611-013	B95-AB-32-12.5	03/23/2022 10:15 AM	03/24/2022 3:23 PM
2203611-014	B95-AB-32-15	03/23/2022 10:20 AM	03/24/2022 3:23 PM
2203611-015	B95-AB-32-17.5	03/23/2022 10:25 AM	03/24/2022 3:23 PM
2203611-016	B95-AB-32-20	03/23/2022 10:30 AM	03/24/2022 3:23 PM
2203611-017	B95-AB-33-2.5	03/23/2022 11:00 AM	03/24/2022 3:23 PM
2203611-018	B95-AB-33-5.0	03/23/2022 11:05 AM	03/24/2022 3:23 PM
2203611-019	B95-AB-33-7.5	03/23/2022 11:10 AM	03/24/2022 3:23 PM
2203611-020	B95-AB-25-5.0	03/23/2022 12:45 PM	03/24/2022 3:23 PM
2203611-020	B95-AB-25-5.0	03/23/2022 12:45 PM	03/24/2022 3:23 PM
2203611-021	B95-AB-25-7.5	03/23/2022 12:50 PM	03/24/2022 3:23 PM
2203611-022	B95-AB-25-10	03/23/2022 12:55 PM	03/24/2022 3:23 PM
2203611-023	B95-AB-25-12.5	03/23/2022 1:00 PM	03/24/2022 3:23 PM
2203611-024	B95-AB-25-15	03/23/2022 1:05 PM	03/24/2022 3:23 PM
2203611-025	B95-AB-25-17.5	03/23/2022 1:10 PM	03/24/2022 3:23 PM
2203611-026	B95-AB-25-20	03/23/2022 1:15 PM	03/24/2022 3:23 PM
2203611-027	B95-AB-25-22.5	03/23/2022 1:20 PM	03/24/2022 3:23 PM
2203611-028	B95-AB-25-25	03/23/2022 1:25 PM	03/24/2022 3:23 PM
2203611-029	B95-AB-30-5	03/23/2022 2:15 PM	03/24/2022 3:23 PM
2203611-030	B95-AB-30-7.5	03/23/2022 1:25 PM	03/24/2022 3:23 PM
2203611-031	B95-AB-30-10	03/23/2022 2:25 PM	03/24/2022 3:23 PM
2203611-032	B95-AB-30-12.5	03/23/2022 2:30 PM	03/24/2022 3:23 PM
2203611-033	B95-AB-30-15	03/23/2022 2:33 PM	03/24/2022 3:23 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

CLIENT: Aspect Consulting
Project: Block 95
Work Order: 2203611

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203611-034	B95-AB-30-17.5	03/23/2022 2:40 PM	03/24/2022 3:23 PM
2203611-035	B95-AB-30-20	03/23/2022 2:45 PM	03/24/2022 3:23 PM
2203611-036	B95-TB-04		03/24/2022 3:23 PM
2203611-037	B95-TB-05		03/24/2022 3:23 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2203611**

Date: **4/13/2022**

CLIENT: Aspect Consulting

Project: Block 95

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.

4/7/2022: Revision 1 includes additional analysis per client request.
4/13/2022: Revision 2 includes additional analysis per client request.

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

Analytical Report

Work Order: **2203611**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 8:15:00 AM
Project: Block 95
Lab ID: 2203611-002
Matrix: Soil
Client Sample ID: B95-AB-28-7.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020B				Batch ID: 35929		Analyst: EH
Arsenic	35.8	0.106		mg/Kg-dry	1	3/30/2022 3:25:00 PM
Sample Moisture (Percent Moisture)				Batch ID: R74413		Analyst: ALB
Percent Moisture	11.2	0.500		wt%	1	3/30/2022 9:28:48 AM

Analytical Report

Work Order: **2203611**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 8:25:00 AM
Project: Block 95
Lab ID: 2203611-004
Matrix: Soil
Client Sample ID: B95-AB-28-12.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35938		Analyst: MM
Diesel (Fuel Oil)	ND	53.3		mg/Kg-dry	1	3/30/2022 6:44:56 PM
Heavy Oil	ND	107		mg/Kg-dry	1	3/30/2022 6:44:56 PM
Total Petroleum Hydrocarbons	ND	160		mg/Kg-dry	1	3/30/2022 6:44:56 PM
Surr: 2-Fluorobiphenyl	97.4	50 - 150		%Rec	1	3/30/2022 6:44:56 PM
Surr: o-Terphenyl	100	50 - 150		%Rec	1	3/30/2022 6:44:56 PM
Total Metals by EPA Method 6020B				Batch ID: 36057		Analyst: EH
Arsenic	2.84	0.105		mg/Kg-dry	1	4/12/2022 2:21:46 PM
Sample Moisture (Percent Moisture)				Batch ID: R74413		Analyst: ALB
Percent Moisture	8.90	0.500		wt%	1	3/30/2022 9:28:48 AM

Analytical Report

Work Order: **2203611**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 8:50:00 AM
Project: Block 95
Lab ID: 2203611-009
Matrix: Soil
Client Sample ID: B95-AB-28-26

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35938		Analyst: MM
Diesel (Fuel Oil)	ND	49.2		mg/Kg-dry	1	3/30/2022 6:55:52 PM
Heavy Oil	ND	98.4		mg/Kg-dry	1	3/30/2022 6:55:52 PM
Total Petroleum Hydrocarbons	ND	148		mg/Kg-dry	1	3/30/2022 6:55:52 PM
Surr: 2-Fluorobiphenyl	102	50 - 150		%Rec	1	3/30/2022 6:55:52 PM
Surr: o-Terphenyl	102	50 - 150		%Rec	1	3/30/2022 6:55:52 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 35936		Analyst: OK
Naphthalene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
2-Methylnaphthalene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
1-Methylnaphthalene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Acenaphthylene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Acenaphthene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Fluorene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Phenanthrene	ND	41.8		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Anthracene	ND	41.8		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Fluoranthene	ND	41.8		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Pyrene	ND	41.8		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Benz(a)anthracene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Chrysene	ND	41.8		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Benzo(b)fluoranthene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Benzo(k)fluoranthene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Benzo(a)pyrene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Indeno(1,2,3-cd)pyrene	ND	41.8		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Dibenz(a,h)anthracene	ND	41.8		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Benzo(g,h,i)perylene	ND	20.9		µg/Kg-dry	1	3/30/2022 7:45:43 PM
Surr: 2-Fluorobiphenyl	94.2	29.6 - 130		%Rec	1	3/30/2022 7:45:43 PM
Surr: Terphenyl-d14 (surr)	106	38 - 145		%Rec	1	3/30/2022 7:45:43 PM
Total Metals by EPA Method 6020B				Batch ID: 35929		Analyst: EH
Arsenic	2.45	0.0924		mg/Kg-dry	1	3/30/2022 3:27:45 PM
Sample Moisture (Percent Moisture)				Batch ID: R74413		Analyst: ALB
Percent Moisture	8.57	0.500		wt%	1	3/30/2022 9:28:48 AM

Analytical Report

Work Order: **2203611**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 10:05:00 AM
Project: Block 95
Lab ID: 2203611-011
Matrix: Soil
Client Sample ID: B95-AB-32-7.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35938		Analyst: MM
Diesel (Fuel Oil)	ND	52.4		mg/Kg-dry	1	3/30/2022 7:06:45 PM
Heavy Oil	ND	105		mg/Kg-dry	1	3/30/2022 7:06:45 PM
Total Petroleum Hydrocarbons	ND	157		mg/Kg-dry	1	3/30/2022 7:06:45 PM
Surr: 2-Fluorobiphenyl	107	50 - 150		%Rec	1	3/30/2022 7:06:45 PM
Surr: o-Terphenyl	106	50 - 150		%Rec	1	3/30/2022 7:06:45 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 35936		Analyst: OK
Naphthalene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
2-Methylnaphthalene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
1-Methylnaphthalene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Acenaphthylene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Acenaphthene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Fluorene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Phenanthrene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Anthracene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Fluoranthene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Pyrene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Benz(a)anthracene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Chrysene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Benzo(b)fluoranthene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Benzo(k)fluoranthene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Benzo(a)pyrene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Indeno(1,2,3-cd)pyrene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Dibenz(a,h)anthracene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Benzo(g,h,i)perylene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:09:22 PM
Surr: 2-Fluorobiphenyl	95.1	29.6 - 130		%Rec	1	3/30/2022 9:09:22 PM
Surr: Terphenyl-d14 (surr)	104	38 - 145		%Rec	1	3/30/2022 9:09:22 PM
Sample Moisture (Percent Moisture)				Batch ID: R74413		Analyst: ALB
Percent Moisture	7.43	0.500		wt%	1	3/30/2022 9:28:48 AM

Analytical Report

Work Order: **2203611**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 11:10:00 AM
Project: Block 95
Lab ID: 2203611-019
Matrix: Soil
Client Sample ID: B95-AB-33-7.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35938		Analyst: MM
Diesel (Fuel Oil)	ND	51.1		mg/Kg-dry	1	3/30/2022 7:17:39 PM
Heavy Oil	ND	102		mg/Kg-dry	1	3/30/2022 7:17:39 PM
Total Petroleum Hydrocarbons	ND	153		mg/Kg-dry	1	3/30/2022 7:17:39 PM
Surr: 2-Fluorobiphenyl	99.7	50 - 150		%Rec	1	3/30/2022 7:17:39 PM
Surr: o-Terphenyl	99.7	50 - 150		%Rec	1	3/30/2022 7:17:39 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 35936		Analyst: OK
Naphthalene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
2-Methylnaphthalene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
1-Methylnaphthalene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Acenaphthylene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Acenaphthene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Fluorene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Phenanthrene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Anthracene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Fluoranthene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Pyrene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Benz(a)anthracene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Chrysene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Benzo(b)fluoranthene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Benzo(k)fluoranthene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Benzo(a)pyrene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Indeno(1,2,3-cd)pyrene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Dibenz(a,h)anthracene	ND	43.1		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Benzo(g,h,i)perylene	ND	21.5		µg/Kg-dry	1	3/30/2022 9:37:16 PM
Surr: 2-Fluorobiphenyl	105	29.6 - 130		%Rec	1	3/30/2022 9:37:16 PM
Surr: Terphenyl-d14 (surr)	114	38 - 145		%Rec	1	3/30/2022 9:37:16 PM
Total Metals by EPA Method 6020B				Batch ID: 35929		Analyst: EH
Arsenic	2.43	0.100		mg/Kg-dry	1	3/30/2022 3:30:29 PM
Sample Moisture (Percent Moisture)				Batch ID: R74413		Analyst: ALB
Percent Moisture	9.37	0.500		wt%	1	3/30/2022 9:28:48 AM

Analytical Report

Work Order: **2203611**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 12:45:00 PM
Project: Block 95
Lab ID: 2203611-020
Matrix: Soil
Client Sample ID: B95-AB-25-5.0

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35974		Analyst: MM
Diesel (Fuel Oil)	ND	51.2		mg/Kg-dry	1	4/5/2022 1:35:38 AM
Heavy Oil	130	102		mg/Kg-dry	1	4/5/2022 1:35:38 AM
Total Petroleum Hydrocarbons	ND	154		mg/Kg-dry	1	4/5/2022 1:35:38 AM
Surr: 2-Fluorobiphenyl	85.2	50 - 150		%Rec	1	4/5/2022 1:35:38 AM
Surr: o-Terphenyl	85.6	50 - 150		%Rec	1	4/5/2022 1:35:38 AM
Total Metals by EPA Method 6020B				Batch ID: 35984		Analyst: EH
Arsenic	9.79	0.100		mg/Kg-dry	1	4/5/2022 4:34:30 PM
Sample Moisture (Percent Moisture)				Batch ID: R74521		Analyst: ALB
Percent Moisture	5.86	0.500		wt%	1	4/4/2022 2:27:04 PM

Analytical Report

Work Order: **2203611**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 12:50:00 PM
Project: Block 95
Lab ID: 2203611-021
Matrix: Soil
Client Sample ID: B95-AB-25-7.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36044		Analyst: MM
Diesel (Fuel Oil)	ND	50.6	H	mg/Kg-dry	1	4/8/2022 7:39:57 PM
Heavy Oil	ND	101	H	mg/Kg-dry	1	4/8/2022 7:39:57 PM
Total Petroleum Hydrocarbons	ND	152	H	mg/Kg-dry	1	4/8/2022 7:39:57 PM
Surr: 2-Fluorobiphenyl	81.8	50 - 150	H	%Rec	1	4/8/2022 7:39:57 PM
Surr: o-Terphenyl	80.2	50 - 150	H	%Rec	1	4/8/2022 7:39:57 PM
Sample Moisture (Percent Moisture)				Batch ID: R74625		Analyst: KJ
Percent Moisture	11.3	0.500		wt%	1	4/8/2022 9:36:10 AM

Analytical Report

Work Order: **2203611**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 12:55:00 PM
Project: Block 95
Lab ID: 2203611-022
Matrix: Soil
Client Sample ID: B95-AB-25-10

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36044		Analyst: MM
Diesel (Fuel Oil)	ND	53.4	H	mg/Kg-dry	1	4/8/2022 7:50:53 PM
Heavy Oil	ND	107	H	mg/Kg-dry	1	4/8/2022 7:50:53 PM
Total Petroleum Hydrocarbons	ND	160	H	mg/Kg-dry	1	4/8/2022 7:50:53 PM
Surr: 2-Fluorobiphenyl	86.2	50 - 150	H	%Rec	1	4/8/2022 7:50:53 PM
Surr: o-Terphenyl	84.0	50 - 150	H	%Rec	1	4/8/2022 7:50:53 PM
Sample Moisture (Percent Moisture)				Batch ID: R74625		Analyst: KJ
Percent Moisture	13.3	0.500		wt%	1	4/8/2022 9:36:10 AM

Analytical Report

Work Order: **2203611**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 2:15:00 PM
Project: Block 95
Lab ID: 2203611-029
Matrix: Soil
Client Sample ID: B95-AB-30-5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35938		Analyst: MM
Diesel (Fuel Oil)	ND	55.6		mg/Kg-dry	1	3/30/2022 7:28:30 PM
Heavy Oil	ND	111		mg/Kg-dry	1	3/30/2022 7:28:30 PM
Total Petroleum Hydrocarbons	ND	167		mg/Kg-dry	1	3/30/2022 7:28:30 PM
Surr: 2-Fluorobiphenyl	97.3	50 - 150		%Rec	1	3/30/2022 7:28:30 PM
Surr: o-Terphenyl	95.8	50 - 150		%Rec	1	3/30/2022 7:28:30 PM
Total Metals by EPA Method 6020B				Batch ID: 35929		Analyst: EH
Arsenic	2.64	0.101		mg/Kg-dry	1	3/30/2022 3:38:44 PM
Sample Moisture (Percent Moisture)				Batch ID: R74413		Analyst: ALB
Percent Moisture	17.2	0.500		wt%	1	3/30/2022 9:28:48 AM

Analytical Report

Work Order: **2203611**
Date Reported: **4/13/2022**

Client: Aspect Consulting
Collection Date: 3/23/2022 2:45:00 PM
Project: Block 95
Lab ID: 2203611-035
Matrix: Soil
Client Sample ID: B95-AB-30-20

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35938		Analyst: MM
Diesel (Fuel Oil)	ND	56.2		mg/Kg-dry	1	3/30/2022 7:39:23 PM
Heavy Oil	ND	112		mg/Kg-dry	1	3/30/2022 7:39:23 PM
Total Petroleum Hydrocarbons	ND	169		mg/Kg-dry	1	3/30/2022 7:39:23 PM
Surr: 2-Fluorobiphenyl	90.4	50 - 150		%Rec	1	3/30/2022 7:39:23 PM
Surr: o-Terphenyl	93.5	50 - 150		%Rec	1	3/30/2022 7:39:23 PM
Sample Moisture (Percent Moisture)				Batch ID: R74413		Analyst: ALB
Percent Moisture	11.5	0.500		wt%	1	3/30/2022 9:28:48 AM

Date: *4/13/2022*

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-35929** SampType: **MBLK** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74441**
Client ID: **MBLKS** Batch ID: **35929** Analysis Date: **3/30/2022** SeqNo: **1526840**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0960									

Sample ID: **LCS-35929** SampType: **LCS** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74441**
Client ID: **LCSS** Batch ID: **35929** Analysis Date: **3/30/2022** SeqNo: **1526841**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	36.4	0.0945	39.37	0	92.6	80	120				

Sample ID: **2203576-018AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74441**
Client ID: **BATCH** Batch ID: **35929** Analysis Date: **3/30/2022** SeqNo: **1526844**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	74.4	0.106	44.13	25.39	111	75	125				

Sample ID: **2203576-018AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74441**
Client ID: **BATCH** Batch ID: **35929** Analysis Date: **3/30/2022** SeqNo: **1526845**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	73.2	0.106	44.13	25.39	108	75	125	74.39	1.58	20	

Sample ID: **MB-35984** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/4/2022** RunNo: **74560**
Client ID: **MBLKS** Batch ID: **35984** Analysis Date: **4/5/2022** SeqNo: **1529578**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0923									

Date: *4/13/2022*

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **LCS-35984** SampType: **LCS** Units: **mg/Kg** Prep Date: **4/4/2022** RunNo: **74560**
Client ID: **LCSS** Batch ID: **35984** Analysis Date: **4/5/2022** SeqNo: **1529579**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	37.9	0.0896	37.31	0	102	80	120				

Sample ID: **2203576-002AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74560**
Client ID: **BATCH** Batch ID: **35984** Analysis Date: **4/5/2022** SeqNo: **1529582**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	47.5	0.101	42.20	2.966	106	75	125				

Sample ID: **2203576-002AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74560**
Client ID: **BATCH** Batch ID: **35984** Analysis Date: **4/5/2022** SeqNo: **1529583**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	46.2	0.102	42.53	2.966	102	75	125	47.54	2.86	20	

Sample ID: **LCS-36057** SampType: **LCS** Units: **mg/Kg** Prep Date: **4/11/2022** RunNo: **74698**
Client ID: **LCSS** Batch ID: **36057** Analysis Date: **4/12/2022** SeqNo: **1532640**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	33.1	0.0923	38.46	0	86.2	80	120				

Sample ID: **2204131-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **4/11/2022** RunNo: **74698**
Client ID: **BATCH** Batch ID: **36057** Analysis Date: **4/12/2022** SeqNo: **1532643**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	48.0	0.0986	41.08	2.703	110	75	125				

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **2204131-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **4/11/2022** RunNo: **74698**
Client ID: **BATCH** Batch ID: **36057** Analysis Date: **4/12/2022** SeqNo: **1532644**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	46.3	0.101	42.07	2.703	104	75	125	47.97	3.52	20	

Sample ID: **MB-36057** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/11/2022** RunNo: **74698**
Client ID: **MBLKS** Batch ID: **36057** Analysis Date: **4/13/2022** SeqNo: **1533214**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0960									

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **LCS-35938** SampType: **LCS** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **LCSS** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527206**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	424	150	500.0	0	84.8	76.1	133				
Surr: 2-Fluorobiphenyl	11.8		10.00		118	50	150				
Surr: o-Terphenyl	13.3		10.00		133	50	150				

Sample ID: **LCSD-35938** SampType: **LCSD** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **LCSS02** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527207**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	512	150	500.0	0	102	76.1	133	424.1	18.8	30	
Surr: 2-Fluorobiphenyl	13.4		10.00		134	50	150		0		
Surr: o-Terphenyl	14.6		10.00		146	50	150		0		

Sample ID: **MB-35938** SampType: **MBLK** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **MBLKS** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527208**

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	11.9		10.00		119	50	150				
Surr: o-Terphenyl	11.6		10.00		116	50	150				

Sample ID: **2203576-018AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **BATCH** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527223**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,520	168	558.7	2,065	-98.5	62.2	146				S
Surr: 2-Fluorobiphenyl	13.1		11.17		117	50	150				
Surr: o-Terphenyl	15.2		11.17		136	50	150				

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2203576-018AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **BATCH** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527223**

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: **2203576-018AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **BATCH** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527224**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,740	169	564.2	2,065	-57.2	62.2	146	1,515	14.0	30	S
Surr: 2-Fluorobiphenyl	13.3		11.28		118	50	150		0		
Surr: o-Terphenyl	15.7		11.28		139	50	150		0		

NOTES:
S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Sample ID: **LCS-35974** SampType: **LCS** Units: **mg/Kg** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **LCSS** Batch ID: **35974** Analysis Date: **4/4/2022** SeqNo: **1528761**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	439	150	500.0	0	87.8	76.1	133				
Surr: 2-Fluorobiphenyl	8.85		10.00		88.5	50	150				
Surr: o-Terphenyl	10.5		10.00		105	50	150				

Sample ID: **LCSD-35974** SampType: **LCSD** Units: **mg/Kg** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **LCSS02** Batch ID: **35974** Analysis Date: **4/4/2022** SeqNo: **1528762**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	458	150	500.0	0	91.7	76.1	133	439.2	4.30	30	
Surr: 2-Fluorobiphenyl	9.57		10.00		95.7	50	150		0		
Surr: o-Terphenyl	10.5		10.00		105	50	150		0		

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-35974** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **MBLKS** Batch ID: **35974** Analysis Date: **4/4/2022** SeqNo: **1528770**

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	8.92		10.00		89.2	50	150				
Surr: o-Terphenyl	8.46		10.00		84.6	50	150				

Sample ID: **2203704-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **BATCH** Batch ID: **35974** Analysis Date: **4/4/2022** SeqNo: **1528805**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	822	156	520.7	695.0	24.4	62.2	146				S
Surr: 2-Fluorobiphenyl	8.53		10.41		81.9	50	150				
Surr: o-Terphenyl	9.68		10.41		93.0	50	150				

NOTES:
S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.

Sample ID: **2203704-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **BATCH** Batch ID: **35974** Analysis Date: **4/4/2022** SeqNo: **1528806**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	907	159	531.4	695.0	39.9	62.2	146	822.0	9.81	30	S
Surr: 2-Fluorobiphenyl	10.7		10.63		101	50	150		0		
Surr: o-Terphenyl	12.3		10.63		116	50	150		0		

NOTES:
S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.

Sample ID: **2203611-020ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **B95-AB-25-5.0** Batch ID: **35974** Analysis Date: **4/5/2022** SeqNo: **1528968**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.7						0		30	

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2203611-020ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **4/4/2022** RunNo: **74527**
Client ID: **B95-AB-25-5.0** Batch ID: **35974** Analysis Date: **4/5/2022** SeqNo: **1528968**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heavy Oil	152	101						129.8	15.5	30	
Total Petroleum Hydrocarbons	ND	152						0		30	
Surr: 2-Fluorobiphenyl	9.80		10.15		96.6	50	150		0		
Surr: o-Terphenyl	9.99		10.15		98.5	50	150		0		

Sample ID: **MB-36044** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/8/2022** RunNo: **74664**
Client ID: **MBLKS** Batch ID: **36044** Analysis Date: **4/8/2022** SeqNo: **1531971**

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	9.79		10.00		97.9	50	150				
Surr: o-Terphenyl	9.49		10.00		94.9	50	150				

Sample ID: **LCS-36044** SampType: **LCS** Units: **mg/Kg** Prep Date: **4/8/2022** RunNo: **74664**
Client ID: **LCSS** Batch ID: **36044** Analysis Date: **4/8/2022** SeqNo: **1531972**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	458	150	500.0	0	91.5	76.1	133				
Surr: 2-Fluorobiphenyl	6.67		10.00		66.7	50	150				
Surr: o-Terphenyl	10.8		10.00		108	50	150				

Sample ID: **LCSD-36044** SampType: **LCSD** Units: **mg/Kg** Prep Date: **4/8/2022** RunNo: **74664**
Client ID: **LCSS02** Batch ID: **36044** Analysis Date: **4/8/2022** SeqNo: **1531973**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	486	150	500.0	0	97.1	76.1	133	457.7	5.90	30	
Surr: 2-Fluorobiphenyl	9.86		10.00		98.6	50	150		0		

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **LCSD-36044** SampType: **LCSD** Units: **mg/Kg** Prep Date: **4/8/2022** RunNo: **74664**
Client ID: **LCSS02** Batch ID: **36044** Analysis Date: **4/8/2022** SeqNo: **1531973**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: o-Terphenyl	11.9		10.00		119	50	150		0		

Sample ID: **2204107-002AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **4/8/2022** RunNo: **74664**
Client ID: **BATCH** Batch ID: **36044** Analysis Date: **4/8/2022** SeqNo: **1531977**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	500	162	540.2	0	92.6	62.2	146				
Surr: 2-Fluorobiphenyl	8.46		10.80		78.3	50	150				
Surr: o-Terphenyl	9.99		10.80		92.5	50	150				

Sample ID: **2204107-002AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **4/8/2022** RunNo: **74664**
Client ID: **BATCH** Batch ID: **36044** Analysis Date: **4/8/2022** SeqNo: **1531978**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	571	166	552.6	0	103	62.2	146	500.2	13.2	30	
Surr: 2-Fluorobiphenyl	9.16		11.05		82.9	50	150		0		
Surr: o-Terphenyl	11.1		11.05		101	50	150		0		

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **MB-35936** SampType: **MBLK** Units: **µg/Kg** Prep Date: **3/30/2022** RunNo: **74455**
Client ID: **MBLKS** Batch ID: **35936** Analysis Date: **3/30/2022** SeqNo: **1527058**

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	1,080		1,000		108	29.6	130				
Surr: Terphenyl-d14 (surr)	1,240		1,000		124	38	145				

Sample ID: **LCS-35936** SampType: **LCS** Units: **µg/Kg** Prep Date: **3/30/2022** RunNo: **74455**
Client ID: **LCSS** Batch ID: **35936** Analysis Date: **3/30/2022** SeqNo: **1527059**

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	1,860	20.0	2,000	0	93.2	60.4	121				
1-Methylnaphthalene	1,850	20.0	2,000	0	92.3	62	119				
Acenaphthylene	1,760	20.0	2,000	0	88.2	58.5	120				
Acenaphthene	1,900	20.0	2,000	0	94.9	57.8	117				

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **LCS-35936** SampType: **LCS** Units: **µg/Kg** Prep Date: **3/30/2022** RunNo: **74455**
Client ID: **LCSS** Batch ID: **35936** Analysis Date: **3/30/2022** SeqNo: **1527059**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	1,930	20.0	2,000	0	96.6	60.3	122				
Phenanthrene	1,890	40.0	2,000	0	94.5	58.6	120				
Anthracene	1,860	40.0	2,000	0	92.9	58.1	122				
Fluoranthene	1,920	40.0	2,000	0	96.0	61.8	123				
Pyrene	1,910	40.0	2,000	0	95.3	59.8	122				
Benz(a)anthracene	1,940	20.0	2,000	0	97.1	62.7	123				
Chrysene	1,880	40.0	2,000	0	94.2	56.2	123				
Benzo(b)fluoranthene	2,170	20.0	2,000	0	108	56.6	126				
Benzo(k)fluoranthene	1,930	20.0	2,000	0	96.5	56.9	131				
Benzo(a)pyrene	1,920	20.0	2,000	0	95.9	63.8	134				
Indeno(1,2,3-cd)pyrene	2,070	40.0	2,000	0	104	59.3	122				
Dibenz(a,h)anthracene	2,110	40.0	2,000	0	105	60.4	125				
Benzo(g,h,i)perylene	1,850	20.0	2,000	0	92.5	52.7	126				
Surr: 2-Fluorobiphenyl	1,100		1,000		110	29.6	130				
Surr: Terphenyl-d14 (surr)	1,170		1,000		117	38	145				

Sample ID: **2203611-009AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74455**
Client ID: **B95-AB-28-26** Batch ID: **35936** Analysis Date: **3/30/2022** SeqNo: **1527061**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,890	20.3	2,025	0	93.4	30.2	123				
2-Methylnaphthalene	1,810	20.3	2,025	0	89.4	40.9	115				
1-Methylnaphthalene	1,790	20.3	2,025	0	88.5	35.6	121				
Acenaphthylene	1,730	20.3	2,025	0	85.2	37.6	117				
Acenaphthene	1,870	20.3	2,025	0	92.2	35.6	115				
Fluorene	1,900	20.3	2,025	0	94.0	38.8	119				
Phenanthrene	1,860	40.5	2,025	0	91.8	32.8	120				
Anthracene	1,830	40.5	2,025	0	90.2	33.7	122				
Fluoranthene	1,890	40.5	2,025	0	93.3	37.5	124				
Pyrene	1,870	40.5	2,025	0	92.5	34	122				

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2203611-009AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74455**
Client ID: **B95-AB-28-26** Batch ID: **35936** Analysis Date: **3/30/2022** SeqNo: **1527061**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,910	20.3	2,025	4.215	94.3	34.7	127				
Chrysene	1,850	40.5	2,025	0	91.5	33.4	120				
Benzo(b)fluoranthene	2,060	20.3	2,025	0	102	31.8	125				
Benzo(k)fluoranthene	1,950	20.3	2,025	0	96.3	30.2	129				
Benzo(a)pyrene	1,870	20.3	2,025	0	92.5	31.3	139				
Indeno(1,2,3-cd)pyrene	2,020	40.5	2,025	0	99.7	22.8	126				
Dibenz(a,h)anthracene	2,040	40.5	2,025	0	101	28.1	127				
Benzo(g,h,i)perylene	1,800	20.3	2,025	0	89.0	18.7	125				
Surr: 2-Fluorobiphenyl	1,070		1,013		106	29.6	130				
Surr: Terphenyl-d14 (surr)	1,140		1,013		113	38	145				

Sample ID: **2203611-009AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74455**
Client ID: **B95-AB-28-26** Batch ID: **35936** Analysis Date: **3/30/2022** SeqNo: **1527062**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,800	21.2	2,118	0	84.9	30.2	123	1,893	5.17	30	
2-Methylnaphthalene	1,700	21.2	2,118	0	80.4	40.9	115	1,811	6.22	30	
1-Methylnaphthalene	1,690	21.2	2,118	0	79.6	35.6	121	1,792	6.09	30	
Acenaphthylene	1,620	21.2	2,118	0	76.3	37.6	117	1,726	6.58	30	
Acenaphthene	1,750	21.2	2,118	0	82.7	35.6	115	1,867	6.48	30	
Fluorene	1,770	21.2	2,118	0	83.6	38.8	119	1,904	7.27	30	
Phenanthrene	1,750	42.4	2,118	0	82.8	32.8	120	1,858	5.88	30	
Anthracene	1,720	42.4	2,118	0	81.1	33.7	122	1,827	6.16	30	
Fluoranthene	1,770	42.4	2,118	0	83.7	37.5	124	1,890	6.35	30	
Pyrene	1,760	42.4	2,118	0	83.0	34	122	1,874	6.44	30	
Benz(a)anthracene	1,810	21.2	2,118	4.215	85.3	34.7	127	1,915	5.53	30	
Chrysene	1,750	42.4	2,118	0	82.8	33.4	120	1,854	5.61	30	
Benzo(b)fluoranthene	1,950	21.2	2,118	0	92.0	31.8	125	2,059	5.52	30	
Benzo(k)fluoranthene	1,840	21.2	2,118	0	87.0	30.2	129	1,951	5.71	30	
Benzo(a)pyrene	1,800	21.2	2,118	0	84.8	31.3	139	1,873	4.16	30	

Work Order: 2203611
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2203611-009AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74455**
Client ID: **B95-AB-28-26** Batch ID: **35936** Analysis Date: **3/30/2022** SeqNo: **1527062**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	1,870	42.4	2,118	0	88.4	22.8	126	2,019	7.60	30	
Dibenz(a,h)anthracene	1,900	42.4	2,118	0	89.9	28.1	127	2,041	6.96	30	
Benzo(g,h,i)perylene	1,680	21.2	2,118	0	79.3	18.7	125	1,802	7.05	30	
Surr: 2-Fluorobiphenyl	1,020		1,059		96.1	29.6	130		0		
Surr: Terphenyl-d14 (surr)	1,080		1,059		102	38	145		0		

Sample Log-In Check List

Client Name:	AC	Work Order Number:	2203611
Logged by:	Gabrielle Coeuille	Date Received:	3/24/2022 3:23:00 PM

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 ºC
Sample 1	1.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/ /22 Page: 1 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanier-Kamchio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Comments
1	B95-AB-28-5	3/23/22	0810	Soil	3																	Hold All
2	B95-AB-28-7.5		0815																			
3	B95-AB-28-10		0820																			
4	B95-AB-28-12.5		0825																			
5	B95-AB-28-15		0830																			
6	B95-AB-28-17.5		0835																			
7	B95-AB-28-20		0840																			
8	B95-AB-28-22.5		0845																			
9	B95-AB-28-26		0850																			
10	B95-AB-32-5		1000																			

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Babcock	3/23/22	x	Clare Griggs	3/24/22 1520
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 2 of: 4

Laboratory Project No (internal): 2203611

Project Name: Black 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanio - Kamahio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Comments
1	B95-AB-32-7.5	3/23/22	1005	Soil	3																	Hold All
2	B95-AB-32-10		1010																			
3	B95-AB-32-12.5		1015																			
4	B95-AB-32-15		1020																			
5	B95-AB-32-17.5		1025																			
6	B95-AB-32-20		1030																			
7	B95-AB-33-2.5		1100																			
8	B95-AB-33-5.0		1105																			
9	B95-AB-33-7.5		1110																			
10	B95-AB-25-5.0		1245																			

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
	Daniel Black	3/23/22	x	Claire Griggs	3/24/22 1323
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 3 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mai Lanier-Kamdhio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	B95-AB-25-7.5	3/23/22	1250	So. I	3												
2	B95-AB-25-10		1255														
3	B95-AB-25-12.5		1300														
4	B95-AB-25-15		1305														
5	B95-AB-25-~~20~~ 17.5		1310														
6	B95-AB-25-20		1315														
7	B95-AB-25-22.5		1320														
8	B95-AB-25-25		1325														
9	B95-AB-30-5		1415														
10	B95-AB-30-7.5		1420														

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Block	3/23/22	x	Clare Griggs	3/24/22 1523
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 4 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanier-Kamahele'o

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Comments
1	B95-AB-30-10	3/23/22	1425	Soil	3																Hold All
2	B95-AB-30-12.5	↓	1430		↓																↓
3	B95-AB-30-15		1435																		
4	B95-AB-30-17.5		1440																		
5	B95-AB-30-20	↓	1445		↓																
6	B95-TB-04	–	–	AQ	1																
7	B95-TB-05	–	–	AQ	1																↓
8	~~TB1 03322~~	–																			
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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Bokrak	3/23/22	x		3/24/22 1523
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 1 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks: X = run per MLK 3/29/22 -cg

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanier-Kamchio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic			Comments
1	B95-AB-28-5	3/23/22	0810	Soil	3																Hold All
2	B95-AB-28-7.5		0815															X			
3	B95-AB-28-10		0820																		
4	B95-AB-28-12.5		0825							X											
5	B95-AB-28-15		0830																		
6	B95-AB-28-17.5		0835																		
7	B95-AB-28-20		0840																		
8	B95-AB-28-22.5		0845																		
9	B95-AB-28-26		0850							X		X						X			
10	B95-AB-32-5		1000																		

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
	Daniel Babcock	3/23/22		Clare Griggs	3/24/22 1520
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 2 of: 4

Laboratory Project No (internal): 2203611

Project Name: Blak 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanio - Kamahio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic			Comments
1	B95-AB-32-7.5	3/23/22	1005	Soil	3					X		X									Hold All
2	B95-AB-32-10		1010																		
3	B95-AB-32-12.5		1015																		
4	B95-AB-32-15		1020																		
5	B95-AB-32-17.5		1025																		
6	B95-AB-32-20		1030																		
7	B95-AB-33-2.5		1100																		
8	B95-AB-33-5.0		1105																		
9	B95-AB-33-7.5		1110							X		X						X			
10	B95-AB-25-5.0		1245																		

*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

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

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Black	3/23/22	x	Claire Griggs	3/24/22 1323
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 3 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mai Lanier-Kamdhio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic			Comments
1	B95-AB-25-7.5	3/23/22	1250	Soil	3															
2	B95-AB-25-10	↓	1255	↓	↓															
3	B95-AB-25-12.5		1300																	
4	B95-AB-25-15		1305																	
5	B95-AB-25-~~20~~ 17.5		1310																	
6	B95-AB-25-20		1315																	
7	B95-AB-25-22.5		1320																	
8	B95-AB-25-25		1325																	
9	B95-AB-30-5		1415						X								X			
10	B95-AB-30-7.5	↓	1420	↓	↓															

*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

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☐ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day ____ (specify)

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Block	3/23/22	x	Clare Griggs	3/24/22 1523
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 4 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanier-Kamahele'o

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Comments
1	B95-AB-30-10	3/23/22	1425	Soil	3																Hold All
2	B95-AB-30-12.5	↓	1430		↓																↓
3	B95-AB-30-15		1435																		
4	B95-AB-30-17.5		1440																		
5	B95-AB-30-20	↓	1445		↓					X											
6	B95-TB-04	–	–	AQ	1																
7	B95-TB-05	–	–	AQ	1																↓
8	~~TB1 03322~~	–																			
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

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

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Bokrak	3/23/22	x		3/24/22 1523
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 1 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Edits per MLK, 3 day TAT -BB 4/4/22

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanier-Kamchio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)		Arsenic			Comments
1	B95-AB-28-5	3/23/22	0810	So. 1	3																	Hold All
2	B95-AB-28-7.5		0815																X			
3	B95-AB-28-10		0820																			
4	B95-AB-28-12.5		0825							X												
5	B95-AB-28-15		0830																			
6	B95-AB-28-17.5		0835																			
7	B95-AB-28-20		0840																			
8	B95-AB-28-22.5		0845																			
9	B95-AB-28-26		0850							X		X							X			
10	B95-AB-32-5		1000																			

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
	Daniel Babcock	3/23/22		Clare Griggs	3/24/22 1520
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 2 of: 4

Laboratory Project No (internal): 2203611

Project Name: Blak 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanio - Kamahio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic			Comments
1	B95-AB-32-7.5	3/23/22	1005	Soil	3					X		X									Hold All
2	B95-AB-32-10		1010																		
3	B95-AB-32-12.5		1015																		
4	B95-AB-32-15		1020																		
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6	B95-AB-32-20		1030																		
7	B95-AB-33-2.5		1100																		
8	B95-AB-33-5.0		1105																		
9	B95-AB-33-7.5		1110							X		X						X			
10	B95-AB-25-5.0		1245							X								X			added 4.4.22 mlk/Aspect

*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

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Turn-around Time:
☐ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Black	3/23/22	x	Claire Griggs	3/24/22 1323
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 3 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mai Lanier-Kamdhio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic			Comments
1	B95-AB-25-7.5	3/23/22	1250	Soil	3															
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3	B95-AB-25-12.5		1300																	
4	B95-AB-25-15		1305																	
5	B95-AB-25-~~20~~ 17.5		1310																	
6	B95-AB-25-20		1315																	
7	B95-AB-25-22.5		1320																	
8	B95-AB-25-25		1325																	
9	B95-AB-30-5		1415						X								X			
10	B95-AB-30-7.5		1420																	

*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

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***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

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

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Block	3/23/22	x	Clare Griggs	3/24/22 1523
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 4 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanier-Kamahele'o

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Comments
1	B95-AB-30-10	3/23/22	1425	Soil	3																Hold All
2	B95-AB-30-12.5	↓	1430		↓																↓
3	B95-AB-30-15		1435																		
4	B95-AB-30-17.5		1440																		
5	B95-AB-30-20	↓	1445		↓					X											
6	B95-TB-04	–	–	AQ	1																
7	B95-TB-05	–	–	AQ	1																↓
8	~~TB1 03322~~	–																			
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

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

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Bokrak	3/23/22	x		3/24/22 1523
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 1 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Edits per MLK, 3 day TAT -BB 4/4/22

Edits per MLK, 3 day TAT -BB 4/8/22

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanier-Kamchio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)		Arsenic			Comments
1	B95-AB-28-5	3/23/22	0810	Soil	3																	Hold All
2	B95-AB-28-7.5		0815																X			
3	B95-AB-28-10		0820																			
4	B95-AB-28-12.5		0825							X									X			
5	B95-AB-28-15		0830																			
6	B95-AB-28-17.5		0835																			
7	B95-AB-28-20		0840																			
8	B95-AB-28-22.5		0845																			
9	B95-AB-28-26		0850							X		X							X			
10	B95-AB-32-5		1000																			

*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

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

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Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Babcock	3/23/22	x	Clare Griggs	3/24/22 1520
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 2 of: 4

Laboratory Project No (internal): 2203611

Project Name: Black 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanio - Kamahele

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic			Comments
1	B95-AB-32-7.5	3/23/22	1005	Soil	3					X		X									Hold All
2	B95-AB-32-10		1010																		
3	B95-AB-32-12.5		1015																		
4	B95-AB-32-15		1020																		
5	B95-AB-32-17.5		1025																		
6	B95-AB-32-20		1030																		
7	B95-AB-33-2.5		1100																		
8	B95-AB-33-5.0		1105																		
9	B95-AB-33-7.5		1110							X		X						X			
10	B95-AB-25-5.0		1245							X								X			added 4.4.22 mlk/Aspect

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
	Daniel Black	3/23/22		Claire Griggs	3/24/22 1323
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 3 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mai Lanier-Kamdhio

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic	Comments
1	B95-AB-25-7.5	3/23/22	1250	So. I	3					X								
2	B95-AB-25-10		1255							X								
3	B95-AB-25-12.5		1300															
4	B95-AB-25-15		1305															
5	B95-AB-25-~~20~~ 17.5		1310															
6	B95-AB-25-20		1315															
7	B95-AB-25-22.5		1320															
8	B95-AB-25-25		1325															
9	B95-AB-30-5		1415							X							X	
10	B95-AB-30-7.5		1420															

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Block	3/23/22	x	Clare Griggs	3/24/22 1523
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 3/23/22 Page: 4 of: 4

Laboratory Project No (internal): 2203611

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482

Address:

Collected by: DRB

City, State, Zip:

Location:

Telephone: 316.617.0499

Report To (PM): Mei Lanier-Kamahele'o

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email:

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Comments
1	B95-AB-30-10	3/23/22	1425	Soil	3																Hold All
2	B95-AB-30-12.5	↓	1430		↓																↓
3	B95-AB-30-15		1435																		
4	B95-AB-30-17.5		1440																		
5	B95-AB-30-20	↓	1445		↓					X											
6	B95-TB-04	–	–	AQ	1																
7	B95-TB-05	–	–	AQ	1																↓
8	~~TB1 03322~~	–																			
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

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***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Daniel Bokrak	3/23/22	x		3/24/22 1523
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Block 95
Work Order Number: 2203686

April 08, 2022

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 5 sample(s) on 3/30/2022 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Polychlorinated Biphenyls (PCB) by EPA 8082
Sample Moisture (Percent Moisture)

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

Date: *04/08/2022*

CLIENT: Aspect Consulting
Project: Block 95
Work Order: 2203686

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2203686-001	SS-01	03/29/2022 10:30 AM	03/30/2022 10:58 AM
2203686-002	SS-02	03/29/2022 11:00 AM	03/30/2022 10:58 AM
2203686-003	SS-03	03/29/2022 11:15 AM	03/30/2022 10:58 AM
2203686-004	SS-04	03/29/2022 11:10 AM	03/30/2022 10:58 AM
2203686-005	TB-032922	03/29/2022 12:00 AM	03/30/2022 10:58 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2203686**

Date: **4/8/2022**

CLIENT: Aspect Consulting
Project: Block 95

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.

Rev 1: Report incorporates additional analyses requested by the client.

Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2203686-001A) required Acid Cleanup Procedure (Using Method No 3665A).
Prep Comments for METHOD (PREP-PCB-S), SAMPLE (2203686-001A) required Florisil Cleanup Procedure (Using Method No 3620C).

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

Analytical Report

Work Order: **2203686**
Date Reported: **4/8/2022**

Client: Aspect Consulting
Collection Date: 3/29/2022 10:30:00 AM
Project: Block 95
Lab ID: 2203686-001
Matrix: Soil
Client Sample ID: **SS-01**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Polychlorinated Biphenyls (PCB) by EPA 8082				Batch ID: 36012		Analyst: OK
Aroclor 1016	ND	0.0550		mg/Kg-dry	1	4/6/2022 3:17:30 PM
Aroclor 1221	ND	0.0550		mg/Kg-dry	1	4/6/2022 3:17:30 PM
Aroclor 1232	ND	0.0550		mg/Kg-dry	1	4/6/2022 3:17:30 PM
Aroclor 1242	ND	0.0550		mg/Kg-dry	1	4/6/2022 3:17:30 PM
Aroclor 1248	ND	0.0550		mg/Kg-dry	1	4/6/2022 3:17:30 PM
Aroclor 1254	ND	0.0550		mg/Kg-dry	1	4/7/2022 4:04:38 PM
Aroclor 1260	ND	0.0550		mg/Kg-dry	1	4/6/2022 3:17:30 PM
Aroclor 1262	ND	0.0550		mg/Kg-dry	1	4/6/2022 3:17:30 PM
Aroclor 1268	ND	0.0550		mg/Kg-dry	1	4/6/2022 3:17:30 PM
Total PCBs	ND	0.0550		mg/Kg-dry	1	4/6/2022 3:17:30 PM
Surr: Decachlorobiphenyl	59.1	10.2 - 168		%Rec	1	4/6/2022 3:17:30 PM
Surr: Tetrachloro-m-xylene	86.3	17.8 - 172		%Rec	1	4/6/2022 3:17:30 PM
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35938		Analyst: MM
Diesel (Fuel Oil)	ND	49.0		mg/Kg-dry	1	3/30/2022 10:44:50 PM
Heavy Oil	110,000	4,900	D	mg/Kg-dry	50	3/31/2022 9:04:23 AM
Total Petroleum Hydrocarbons	113,000	147		mg/Kg-dry	1	3/30/2022 10:44:50 PM
Surr: 2-Fluorobiphenyl	97.2	50 - 150		%Rec	1	3/30/2022 10:44:50 PM
Surr: o-Terphenyl	78.7	50 - 150		%Rec	1	3/30/2022 10:44:50 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 36011		Analyst: OK
Benz(a)anthracene	ND	21.8		µg/Kg-dry	1	4/8/2022 10:23:21 AM
Chrysene	341	43.6		µg/Kg-dry	1	4/8/2022 10:23:21 AM
Benzo(b)fluoranthene	ND	21.8		µg/Kg-dry	1	4/8/2022 10:23:21 AM
Benzo(k)fluoranthene	ND	21.8		µg/Kg-dry	1	4/8/2022 10:23:21 AM
Benzo(a)pyrene	333	21.8		µg/Kg-dry	1	4/8/2022 10:23:21 AM
Indeno(1,2,3-cd)pyrene	ND	43.6		µg/Kg-dry	1	4/8/2022 10:23:21 AM
Dibenz(a,h)anthracene	ND	43.6		µg/Kg-dry	1	4/8/2022 10:23:21 AM
Surr: 2-Fluorobiphenyl	91.0	29.6 - 130		%Rec	1	4/8/2022 10:23:21 AM
Surr: Terphenyl-d14 (surr)	76.7	38 - 145		%Rec	1	4/8/2022 10:23:21 AM
Gasoline by NWTPH-Gx				Batch ID: 35952		Analyst: MS
Gasoline	ND	5.49		mg/Kg-dry	1	3/31/2022 11:34:49 AM
Surr: Toluene-d8	97.7	65 - 135		%Rec	1	3/31/2022 11:34:49 AM
Surr: 4-Bromofluorobenzene	94.0	65 - 135		%Rec	1	3/31/2022 11:34:49 AM

Analytical Report

Work Order: **2203686**
Date Reported: **4/8/2022**

Client: Aspect Consulting
Collection Date: 3/29/2022 10:30:00 AM
Project: Block 95
Lab ID: 2203686-001
Matrix: Soil
Client Sample ID: **SS-01**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R74418		Analyst: CB
Percent Moisture	11.8	0.500		wt%	1	3/30/2022 11:36:23 AM

Analytical Report

Work Order: **2203686**
Date Reported: **4/8/2022**

Client: Aspect Consulting
Collection Date: 3/29/2022 11:15:00 AM
Project: Block 95
Lab ID: 2203686-003
Matrix: Soil
Client Sample ID: **SS-03**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 35938		Analyst: MM
Diesel (Fuel Oil)	ND	49.8		mg/Kg-dry	1	3/30/2022 9:17:39 PM
Heavy Oil	ND	99.6		mg/Kg-dry	1	3/30/2022 9:17:39 PM
Total Petroleum Hydrocarbons	ND	149		mg/Kg-dry	1	3/30/2022 9:17:39 PM
Surr: 2-Fluorobiphenyl	104	50 - 150		%Rec	1	3/30/2022 9:17:39 PM
Surr: o-Terphenyl	107	50 - 150		%Rec	1	3/30/2022 9:17:39 PM
Gasoline by NWTPH-Gx				Batch ID: 35952		Analyst: MS
Gasoline	ND	5.25		mg/Kg-dry	1	3/31/2022 12:37:52 PM
Surr: Toluene-d8	103	65 - 135		%Rec	1	3/31/2022 12:37:52 PM
Surr: 4-Bromofluorobenzene	91.9	65 - 135		%Rec	1	3/31/2022 12:37:52 PM
Sample Moisture (Percent Moisture)				Batch ID: R74418		Analyst: CB
Percent Moisture	6.12	0.500		wt%	1	3/30/2022 11:36:23 AM

Work Order: 2203686
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **LCS-35938** SampType: **LCS** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **LCSS** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527206**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	424	150	500.0	0	84.8	76.1	133				
Surr: 2-Fluorobiphenyl	11.8		10.00		118	50	150				
Surr: o-Terphenyl	13.3		10.00		133	50	150				

Sample ID: **LCSD-35938** SampType: **LCSD** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **LCSS02** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527207**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	512	150	500.0	0	102	76.1	133	424.1	18.8	30	
Surr: 2-Fluorobiphenyl	13.4		10.00		134	50	150		0		
Surr: o-Terphenyl	14.6		10.00		146	50	150		0		

Sample ID: **MB-35938** SampType: **MBLK** Units: **mg/Kg** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **MBLKS** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527208**

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	11.9		10.00		119	50	150				
Surr: o-Terphenyl	11.6		10.00		116	50	150				

Sample ID: **2203576-018AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **BATCH** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527223**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,520	168	558.7	2,065	-98.5	62.2	146				S
Surr: 2-Fluorobiphenyl	13.1		11.17		117	50	150				
Surr: o-Terphenyl	15.2		11.17		136	50	150				

Work Order: 2203686
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2203576-018AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **BATCH** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527223**

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: **2203576-018AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **3/30/2022** RunNo: **74438**
Client ID: **BATCH** Batch ID: **35938** Analysis Date: **3/30/2022** SeqNo: **1527224**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,740	169	564.2	2,065	-57.2	62.2	146	1,515	14.0	30	S
Surr: 2-Fluorobiphenyl	13.3		11.28		118	50	150		0		
Surr: o-Terphenyl	15.7		11.28		139	50	150		0		

NOTES:
S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Work Order: 2203686
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **MB-36011** SampType: **MBLK** Units: **µg/Kg** Prep Date: **4/6/2022** RunNo: **74635**
Client ID: **MBLKS** Batch ID: **36011** Analysis Date: **4/8/2022** SeqNo: **1531228**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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									
Surr: 2-Fluorobiphenyl	896		1,000		89.6	29.6	130				
Surr: Terphenyl-d14 (surr)	975		1,000		97.5	38	145				

Sample ID: **LCS-36011** SampType: **LCS** Units: **µg/Kg** Prep Date: **4/6/2022** RunNo: **74635**
Client ID: **LCSS** Batch ID: **36011** Analysis Date: **4/8/2022** SeqNo: **1531229**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,800	20.0	2,000	0	89.9	62.7	123				
Chrysene	1,770	40.0	2,000	0	88.6	56.2	123				
Benzo(b)fluoranthene	1,970	20.0	2,000	0	98.7	56.6	126				
Benzo(k)fluoranthene	1,830	20.0	2,000	0	91.3	56.9	131				
Benzo(a)pyrene	1,770	20.0	2,000	0	88.7	63.8	134				
Indeno(1,2,3-cd)pyrene	2,030	40.0	2,000	0	102	59.3	122				
Dibenz(a,h)anthracene	2,080	40.0	2,000	0	104	60.4	125				
Surr: 2-Fluorobiphenyl	957		1,000		95.7	29.6	130				
Surr: Terphenyl-d14 (surr)	1,040		1,000		104	38	145				

Sample ID: **2203686-001AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **4/6/2022** RunNo: **74635**
Client ID: **SS-01** Batch ID: **36011** Analysis Date: **4/8/2022** SeqNo: **1531231**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,580	21.4	2,135	0	73.9	34.7	127				

Work Order: 2203686
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2203686-001AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **4/6/2022** RunNo: **74635**
Client ID: **SS-01** Batch ID: **36011** Analysis Date: **4/8/2022** SeqNo: **1531231**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	1,890	42.7	2,135	341.1	72.4	33.4	120				
Benzo(b)fluoranthene	1,990	21.4	2,135	0	93.1	31.8	125				
Benzo(k)fluoranthene	2,130	21.4	2,135	0	99.8	30.2	129				
Benzo(a)pyrene	2,000	21.4	2,135	333.0	78.2	31.3	139				
Indeno(1,2,3-cd)pyrene	1,050	42.7	2,135	0	49.3	22.8	126				
Dibenz(a,h)anthracene	1,070	42.7	2,135	0	50.2	28.1	127				
Surr: 2-Fluorobiphenyl	943		1,068		88.3	29.6	130				
Surr: Terphenyl-d14 (surr)	924		1,068		86.5	38	145				

Sample ID: **2203686-001AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **4/6/2022** RunNo: **74635**
Client ID: **SS-01** Batch ID: **36011** Analysis Date: **4/8/2022** SeqNo: **1531232**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,880	21.6	2,156	0	87.4	34.7	127	1,578	17.6	30	
Chrysene	2,030	43.1	2,156	341.1	78.5	33.4	120	1,888	7.40	30	
Benzo(b)fluoranthene	2,230	21.6	2,156	0	103	31.8	125	1,987	11.3	30	
Benzo(k)fluoranthene	2,590	21.6	2,156	0	120	30.2	129	2,132	19.2	30	
Benzo(a)pyrene	2,310	21.6	2,156	333.0	91.5	31.3	139	2,003	14.0	30	
Indeno(1,2,3-cd)pyrene	848	43.1	2,156	0	39.4	22.8	126	1,053	21.5	30	
Dibenz(a,h)anthracene	867	43.1	2,156	0	40.2	28.1	127	1,073	21.2	30	
Surr: 2-Fluorobiphenyl	995		1,078		92.3	29.6	130		0		
Surr: Terphenyl-d14 (surr)	1,040		1,078		96.7	38	145		0		

Fremont Analytical

Date: *4/8/2022*

Work Order: 2203686
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **MB-36012** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/6/2022** RunNo: **74591**
Client ID: **MBLKS** Batch ID: **36012** Analysis Date: **4/6/2022** SeqNo: **1530353**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.0500									
Aroclor 1221	ND	0.0500									
Aroclor 1232	ND	0.0500									
Aroclor 1242	ND	0.0500									
Aroclor 1248	ND	0.0500									
Aroclor 1260	ND	0.0500									
Aroclor 1262	ND	0.0500									
Aroclor 1268	ND	0.0500									
Total PCBs	ND	0.0500									
Surr: Decachlorobiphenyl	141		200.0		70.4	10.2	168				
Surr: Tetrachloro-m-xylene	224		200.0		112	17.8	172				

Sample ID: **LCS1-36012** SampType: **LCS** Units: **mg/Kg** Prep Date: **4/6/2022** RunNo: **74591**
Client ID: **LCSS** Batch ID: **36012** Analysis Date: **4/6/2022** SeqNo: **1530354**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.13	0.0500	1.000	0	113	64.1	142				
Aroclor 1260	1.10	0.0500	1.000	0	110	62.4	145				
Surr: Decachlorobiphenyl	177		200.0		88.5	10.2	168				
Surr: Tetrachloro-m-xylene	240		200.0		120	17.8	172				

Sample ID: **LCS1D-36012** SampType: **LCSD** Units: **mg/Kg** Prep Date: **4/6/2022** RunNo: **74591**
Client ID: **LCSS02** Batch ID: **36012** Analysis Date: **4/6/2022** SeqNo: **1530356**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.14	0.0500	1.000	0	114	64.1	142	1.128	1.27	20	
Aroclor 1260	1.12	0.0500	1.000	0	112	62.4	145	1.100	1.50	20	
Surr: Decachlorobiphenyl	178		200.0		88.9	10.2	168		0		
Surr: Tetrachloro-m-xylene	238		200.0		119	17.8	172		0		

Work Order: 2203686
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **LCS1D-36012** SampType: **LCSD** Units: **mg/Kg** Prep Date: **4/6/2022** RunNo: **74591**
Client ID: **LCSS02** Batch ID: **36012** Analysis Date: **4/6/2022** SeqNo: **1530356**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2203686-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **4/6/2022** RunNo: **74591**
Client ID: **SS-01** Batch ID: **36012** Analysis Date: **4/6/2022** SeqNo: **1530361**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.28	0.0551	1.102	0	116	37.6	173				
Aroclor 1260	0.896	0.0551	1.102	0	81.3	33.5	172				
Surr: Decachlorobiphenyl	131		220.4		59.5	10.2	168				
Surr: Tetrachloro-m-xylene	192		220.4		87.2	17.8	172				

Sample ID: **2203686-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **4/6/2022** RunNo: **74591**
Client ID: **SS-01** Batch ID: **36012** Analysis Date: **4/6/2022** SeqNo: **1530369**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.09	0.0517	1.034	0	105	37.6	173	1.278	16.3	30	
Aroclor 1260	0.799	0.0517	1.034	0	77.3	33.5	172	0.8961	11.5	30	
Surr: Decachlorobiphenyl	120		206.7		58.2	10.2	168		0		
Surr: Tetrachloro-m-xylene	170		206.7		82.2	17.8	172		0		

Sample ID: **MB-36012** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/6/2022** RunNo: **74591**
Client ID: **MBLKS** Batch ID: **36012** Analysis Date: **4/7/2022** SeqNo: **1530988**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	ND	0.0500									
Surr: Decachlorobiphenyl	192		200.0		96.1	10.2	168				
Surr: Tetrachloro-m-xylene	280		200.0		140	17.8	172				

Date: *4/8/2022*

Work Order: 2203686
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **LCS2-36012** SampType: **LCS** Units: **mg/Kg** Prep Date: **4/6/2022** RunNo: **74591**
Client ID: **LCSS** Batch ID: **36012** Analysis Date: **4/7/2022** SeqNo: **1530991**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.15	0.0500	1.000	0	115	63	146				
Surr: Decachlorobiphenyl	178		200.0		88.8	10.2	168				
Surr: Tetrachloro-m-xylene	253		200.0		127	17.8	172				

Fremont Analytical

Date: *4/8/2022*

Work Order: 2203686
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-35952** SampType: **LCS** Units: **mg/Kg** Prep Date: **3/31/2022** RunNo: **74464**
Client ID: **LCSS** Batch ID: **35952** Analysis Date: **3/31/2022** SeqNo: **1527374**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	28.0	5.00	25.00	0	112	65	135				
Surr: Toluene-d8	1.26		1.250		101	65	135				
Surr: 4-Bromofluorobenzene	1.28		1.250		103	65	135				

Sample ID: **MB-35952** SampType: **MBLK** Units: **mg/Kg** Prep Date: **3/31/2022** RunNo: **74464**
Client ID: **MBLKS** Batch ID: **35952** Analysis Date: **3/31/2022** SeqNo: **1527375**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.24		1.250		99.6	65	135				
Surr: 4-Bromofluorobenzene	1.23		1.250		98.7	65	135				

Sample ID: **2203686-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **3/31/2022** RunNo: **74464**
Client ID: **SS-01** Batch ID: **35952** Analysis Date: **3/31/2022** SeqNo: **1527377**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.49						0		30	
Surr: Toluene-d8	1.34		1.373		97.9	65	135		0		
Surr: 4-Bromofluorobenzene	1.22		1.373		89.1	65	135		0		

Sample ID: **2203686-003BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **3/31/2022** RunNo: **74464**
Client ID: **SS-03** Batch ID: **35952** Analysis Date: **3/31/2022** SeqNo: **1527381**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	146	5.25	26.23	27.58	452	65	135				S
Surr: Toluene-d8	1.32		1.311		101	65	135				
Surr: 4-Bromofluorobenzene	1.38		1.311		106	65	135				

NOTES:
S - Spike recovery indicates a possible matrix effect from a sample ran prior to the MS.

Date: *4/8/2022*

Work Order: 2203686
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2203268-002BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **3/31/2022** RunNo: **74482**
Client ID: **BATCH** Batch ID: **35952** Analysis Date: **3/31/2022** SeqNo: **1527653**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	4.65						0		30	H
Surr: Toluene-d8	1.24		1.162		107	65	135		0		H
Surr: 4-Bromofluorobenzene	1.08		1.162		92.6	65	135		0		H

Sample Log-In Check List

Client Name:	**AC**	Work Order Number:	**2203686**
Logged by:	**Elisabeth Samoray**	Date Received:	**3/30/2022 10:58:00 AM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

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 ºC
Sample 1	4.6

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

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

Chain of Custody Record & Laboratory Services Agreement

Date: 3-29-2022 Page: 1 of: 1

Laboratory Project No (internal): 2203686

Project Name: Block 95

Project No: 200482-B-4.5

Collected by: Mei Lanier-Kamaha'o

Location: Seattle

Report To (PM): Mei L-K

PM Email: mlkamahao@aspectconsulting.com

Client: Aspect Consulting

Address:

City, State, Zip:

Telephone: (831) 588-2350

Fax:

Special Remarks: 24 hour TAT

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	SS-01	3/29/22	1030	S	3			X		X							
2	SS-02	↓	1100	S	3												
3	SS-03	↓	1115	S	3		X	X		X							NO BTEX (yet) 3/30/22
4	SS-04	↓	1110	S	3												
5	TB-032922	↓	—	W	1												
6																	
7																	
8																	
9																	
10																	

MLK

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Mulani Lanier-Kamaha'o	Mei Lanier-Kamaha'o	3/29/22 1056	x Justine Pogue	Justine Pogue	3/30/22 10:58
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

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

Chain of Custody Record & Laboratory Services Agreement

Date: 3-29-2022 Page: 1 of: 1

Laboratory Project No (internal): 2203686

Project Name: Block 95

Project No: 200482-B-4.5

Collected by: Mei Lanier-Kamaha'o

Location: Seattle

Report To (PM): Mei L-K

PM Email: mlkamahao@aspectconsulting.com

Client: Aspect Consulting

Address:

City, State, Zip:

Telephone: (831) 588-2350

Fax:

Special Remarks:

24 hour TAT

X = Add per MLK, Std TAT, 4/1/22 -cg

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Comments
1	SS-01	3/29/22	1030	S	3			X		X		X	X								cPAHs only
2	SS-02		1100	S	3																
3	SS-03		1115	S	3		X	X		X											NO BTEX (yet) 3/30/22
4	SS-04		1110	S	3																
5	TB-032922		—	W	1																
6																					
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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Mulani Lanier-Kamaha'o	Mei Lanier-Kamaha'o	3/29/22 1056	x Justine Pogue	Justine Pogue	3/30/22 10:58
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Block 95
Work Order Number: 2204185

April 19, 2022

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 4 sample(s) on 4/12/2022 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Dissolved Metals by EPA Method 200.8
Gasoline by NWTPH-Gx
Total Metals by EPA Method 200.8
Volatile Organic Compounds by EPA Method 8260D

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

Date: *04/21/2022*

CLIENT: Aspect Consulting
Project: Block 95
Work Order: 2204185

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2204185-001	GEI-10-041122	04/11/2022 1:55 PM	04/12/2022 4:28 PM
2204185-001	GEI-10-041122	04/11/2022 1:55 PM	04/12/2022 4:28 PM
2204185-002	GEI-12-041222	04/12/2022 10:55 AM	04/12/2022 4:28 PM
2204185-002	GEI-12-041222	04/12/2022 10:55 AM	04/12/2022 4:28 PM
2204185-003	GEI-13-041222	04/12/2022 2:35 PM	04/12/2022 4:28 PM
2204185-003	GEI-13-041222	04/12/2022 2:35 PM	04/12/2022 4:28 PM
2204185-004	TB-041122		04/12/2022 4:28 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2204185**

Date: **4/19/2022**

CLIENT: Aspect Consulting

Project: Block 95

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.

4/21/2022: Revision 1 includes correction to sample name and sample date errors in original report.

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

Analytical Report

Work Order: **2204185**
Date Reported: **4/19/2022**

Client: Aspect Consulting
Collection Date: 4/11/2022 1:55:00 PM
Project: Block 95
Lab ID: 2204185-001
Matrix: Water
Client Sample ID: GEI-10-041122

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36097		Analyst: MM
Diesel (Fuel Oil)	ND	119		µg/L	1	4/14/2022 4:16:45 PM
Heavy Oil	ND	119		µg/L	1	4/14/2022 4:16:45 PM
Total Petroleum Hydrocarbons	ND	238		µg/L	1	4/14/2022 4:16:45 PM
Surr: 2-Fluorobiphenyl	75.1	50 - 150		%Rec	1	4/14/2022 4:16:45 PM
Surr: o-Terphenyl	78.5	50 - 150		%Rec	1	4/14/2022 4:16:45 PM
Gasoline by NWTPH-Gx				Batch ID: 36093		Analyst: MVB
Gasoline	ND	50.0		µg/L	1	4/14/2022 12:43:33 AM
Surr: Toluene-d8	96.4	65 - 135		%Rec	1	4/14/2022 12:43:33 AM
Surr: 4-Bromofluorobenzene	88.5	65 - 135		%Rec	1	4/14/2022 12:43:33 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 36093		Analyst: MVB
Dichlorodifluoromethane (CFC-12)	ND	1.25	Q	µg/L	1	4/14/2022 12:43:33 AM
Chloromethane	ND	0.750		µg/L	1	4/14/2022 12:43:33 AM
Vinyl chloride	ND	0.200		µg/L	1	4/14/2022 12:43:33 AM
Bromomethane	ND	1.20		µg/L	1	4/14/2022 12:43:33 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
Chloroethane	ND	1.00		µg/L	1	4/14/2022 12:43:33 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
Acetone	ND	6.00		µg/L	1	4/14/2022 12:43:33 AM
Methylene chloride	ND	0.750		µg/L	1	4/14/2022 12:43:33 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
Methyl tert-butyl ether (MTBE)	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
2-Butanone (MEK)	ND	1.50		µg/L	1	4/14/2022 12:43:33 AM
Chloroform	0.518	0.500		µg/L	1	4/14/2022 12:43:33 AM
1,1,1-Trichloroethane (TCA)	ND	0.400		µg/L	1	4/14/2022 12:43:33 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
Carbon tetrachloride	ND	0.750		µg/L	1	4/14/2022 12:43:33 AM
1,2-Dichloroethane (EDC)	ND	0.400		µg/L	1	4/14/2022 12:43:33 AM
Benzene	ND	0.440		µg/L	1	4/14/2022 12:43:33 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
Bromodichloromethane	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
Dibromomethane	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM

Analytical Report

Work Order: **2204185**
Date Reported: **4/19/2022**

Client: Aspect Consulting
Collection Date: 4/11/2022 1:55:00 PM
Project: Block 95
Lab ID: 2204185-001
Matrix: Water
Client Sample ID: GEI-10-041122

Volatile Organic Compounds by EPA Method 8260D Batch ID: 36093 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.750		µg/L	1	4/14/2022 12:43:33 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
Methyl Isobutyl Ketone (MIBK)	ND	1.25		µg/L	1	4/14/2022 12:43:33 AM
1,1,2-Trichloroethane	ND	0.350		µg/L	1	4/14/2022 12:43:33 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
Tetrachloroethene (PCE)	ND	0.400		µg/L	1	4/14/2022 12:43:33 AM
Dibromochloromethane	ND	1.00		µg/L	1	4/14/2022 12:43:33 AM
1,2-Dibromoethane (EDB)	ND	0.300		µg/L	1	4/14/2022 12:43:33 AM
2-Hexanone (MBK)	ND	1.00		µg/L	1	4/14/2022 12:43:33 AM
Chlorobenzene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
1,1,1,2-Tetrachloroethane	ND	0.300		µg/L	1	4/14/2022 12:43:33 AM
Ethylbenzene	ND	0.400		µg/L	1	4/14/2022 12:43:33 AM
m,p-Xylene	ND	1.00		µg/L	1	4/14/2022 12:43:33 AM
o-Xylene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
Styrene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
Isopropylbenzene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
Bromoform	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
1,1,2,2-Tetrachloroethane	ND	0.400		µg/L	1	4/14/2022 12:43:33 AM
n-Propylbenzene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
Bromobenzene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
1,3,5-Trimethylbenzene	ND	0.250		µg/L	1	4/14/2022 12:43:33 AM
2-Chlorotoluene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
4-Chlorotoluene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
tert-Butylbenzene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
1,2,3-Trichloropropane	ND	0.400		µg/L	1	4/14/2022 12:43:33 AM
1,2,4-Trichlorobenzene	ND	0.750		µg/L	1	4/14/2022 12:43:33 AM
sec-Butylbenzene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
4-Isopropyltoluene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
n-Butylbenzene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	4/14/2022 12:43:33 AM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	4/14/2022 12:43:33 AM
Naphthalene	ND	1.25		µg/L	1	4/14/2022 12:43:33 AM
1,2,3-Trichlorobenzene	ND	0.700		µg/L	1	4/14/2022 12:43:33 AM
Surr: Dibromofluoromethane	116	80 - 120		%Rec	1	4/14/2022 12:43:33 AM
Surr: Toluene-d8	105	80 - 120		%Rec	1	4/14/2022 12:43:33 AM

Analytical Report

Work Order: **2204185**
Date Reported: **4/19/2022**

Client: Aspect Consulting
Project: Block 95
Lab ID: 2204185-001
Client Sample ID: **GEI-10-041122**

Collection Date: 4/11/2022 1:55:00 PM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 36093		Analyst: MVB
Surr: 1-Bromo-4-fluorobenzene	88.7	80 - 120		%Rec	1	4/14/2022 12:43:33 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Total Metals by EPA Method 200.8				Batch ID: 36143		Analyst: EH
Arsenic	1.85	1.00	*	µg/L	1	4/19/2022 2:24:13 PM

NOTES:
* - Associated LCS is above acceptance criteria. Result may be high-biased.

Analytical Report

Work Order: **2204185**
Date Reported: **4/19/2022**

Client: Aspect Consulting
Collection Date: 4/12/2022 10:55:00 AM
Project: Block 95
Lab ID: 2204185-002
Matrix: Water
Client Sample ID: GEI-12-041222

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36097		Analyst: MM
Diesel (Fuel Oil)	ND	120		µg/L	1	4/14/2022 4:50:02 PM
Heavy Oil	243	120		µg/L	1	4/14/2022 4:50:02 PM
Total Petroleum Hydrocarbons	243	239		µg/L	1	4/14/2022 4:50:02 PM
Surr: 2-Fluorobiphenyl	87.5	50 - 150		%Rec	1	4/14/2022 4:50:02 PM
Surr: o-Terphenyl	90.0	50 - 150		%Rec	1	4/14/2022 4:50:02 PM
Gasoline by NWTPH-Gx				Batch ID: 36093		Analyst: MVB
Gasoline	ND	50.0		µg/L	1	4/14/2022 1:13:42 AM
Surr: Toluene-d8	96.8	65 - 135		%Rec	1	4/14/2022 1:13:42 AM
Surr: 4-Bromofluorobenzene	88.8	65 - 135		%Rec	1	4/14/2022 1:13:42 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 36093		Analyst: MVB
Dichlorodifluoromethane (CFC-12)	ND	1.25	Q	µg/L	1	4/14/2022 1:13:42 AM
Chloromethane	ND	0.750		µg/L	1	4/14/2022 1:13:42 AM
Vinyl chloride	ND	0.200		µg/L	1	4/14/2022 1:13:42 AM
Bromomethane	ND	1.20		µg/L	1	4/14/2022 1:13:42 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
Chloroethane	ND	1.00		µg/L	1	4/14/2022 1:13:42 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
Acetone	ND	6.00		µg/L	1	4/14/2022 1:13:42 AM
Methylene chloride	ND	0.750		µg/L	1	4/14/2022 1:13:42 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
Methyl tert-butyl ether (MTBE)	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
2-Butanone (MEK)	ND	1.50		µg/L	1	4/14/2022 1:13:42 AM
Chloroform	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
1,1,1-Trichloroethane (TCA)	ND	0.400		µg/L	1	4/14/2022 1:13:42 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
Carbon tetrachloride	ND	0.750		µg/L	1	4/14/2022 1:13:42 AM
1,2-Dichloroethane (EDC)	ND	0.400		µg/L	1	4/14/2022 1:13:42 AM
Benzene	ND	0.440		µg/L	1	4/14/2022 1:13:42 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
Bromodichloromethane	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
Dibromomethane	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM

Analytical Report

Work Order: **2204185**
Date Reported: **4/19/2022**

Client: Aspect Consulting
Collection Date: 4/12/2022 10:55:00 AM
Project: Block 95
Lab ID: 2204185-002
Matrix: Water
Client Sample ID: GEI-12-041222

Volatile Organic Compounds by EPA Method 8260D Batch ID: 36093 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.750		µg/L	1	4/14/2022 1:13:42 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
Methyl Isobutyl Ketone (MIBK)	ND	1.25		µg/L	1	4/14/2022 1:13:42 AM
1,1,2-Trichloroethane	ND	0.350		µg/L	1	4/14/2022 1:13:42 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
Tetrachloroethene (PCE)	ND	0.400		µg/L	1	4/14/2022 1:13:42 AM
Dibromochloromethane	ND	1.00		µg/L	1	4/14/2022 1:13:42 AM
1,2-Dibromoethane (EDB)	ND	0.300		µg/L	1	4/14/2022 1:13:42 AM
2-Hexanone (MBK)	ND	1.00		µg/L	1	4/14/2022 1:13:42 AM
Chlorobenzene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
1,1,1,2-Tetrachloroethane	ND	0.300		µg/L	1	4/14/2022 1:13:42 AM
Ethylbenzene	ND	0.400		µg/L	1	4/14/2022 1:13:42 AM
m,p-Xylene	ND	1.00		µg/L	1	4/14/2022 1:13:42 AM
o-Xylene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
Styrene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
Isopropylbenzene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
Bromoform	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
1,1,2,2-Tetrachloroethane	ND	0.400		µg/L	1	4/14/2022 1:13:42 AM
n-Propylbenzene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
Bromobenzene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
1,3,5-Trimethylbenzene	ND	0.250		µg/L	1	4/14/2022 1:13:42 AM
2-Chlorotoluene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
4-Chlorotoluene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
tert-Butylbenzene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
1,2,3-Trichloropropane	ND	0.400		µg/L	1	4/14/2022 1:13:42 AM
1,2,4-Trichlorobenzene	ND	0.750		µg/L	1	4/14/2022 1:13:42 AM
sec-Butylbenzene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
4-Isopropyltoluene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
n-Butylbenzene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	4/14/2022 1:13:42 AM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	4/14/2022 1:13:42 AM
Naphthalene	ND	1.25		µg/L	1	4/14/2022 1:13:42 AM
1,2,3-Trichlorobenzene	ND	0.700		µg/L	1	4/14/2022 1:13:42 AM
Surr: Dibromofluoromethane	115	80 - 120		%Rec	1	4/14/2022 1:13:42 AM
Surr: Toluene-d8	104	80 - 120		%Rec	1	4/14/2022 1:13:42 AM

Analytical Report

Work Order: **2204185**
Date Reported: **4/19/2022**

Client: Aspect Consulting
Project: Block 95
Lab ID: 2204185-002
Client Sample ID: **GEI-12-041222**

Collection Date: 4/12/2022 10:55:00 AM
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 36093		Analyst: MVB
Surr: 1-Bromo-4-fluorobenzene	88.9	80 - 120		%Rec	1	4/14/2022 1:13:42 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Dissolved Metals by EPA Method 200.8				Batch ID: 36082		Analyst: EH
Arsenic	1.46	1.00		µg/L	1	4/14/2022 12:28:01 AM

Analytical Report

Work Order: **2204185**
Date Reported: **4/19/2022**

Client: Aspect Consulting
Collection Date: 4/12/2022 2:35:00 PM
Project: Block 95
Lab ID: 2204185-003
Matrix: Water
Client Sample ID: GEI-13-041222

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36097		Analyst: MM
Diesel (Fuel Oil)	ND	118		µg/L	1	4/14/2022 5:01:02 PM
Heavy Oil	753	118		µg/L	1	4/14/2022 5:01:02 PM
Total Petroleum Hydrocarbons	753	237		µg/L	1	4/14/2022 5:01:02 PM
Surr: 2-Fluorobiphenyl	71.1	50 - 150		%Rec	1	4/14/2022 5:01:02 PM
Surr: o-Terphenyl	84.7	50 - 150		%Rec	1	4/14/2022 5:01:02 PM
Gasoline by NWTPH-Gx				Batch ID: 36093		Analyst: MVB
Gasoline	ND	50.0		µg/L	1	4/14/2022 2:14:01 AM
Surr: Toluene-d8	98.7	65 - 135		%Rec	1	4/14/2022 2:14:01 AM
Surr: 4-Bromofluorobenzene	89.2	65 - 135		%Rec	1	4/14/2022 2:14:01 AM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 36093		Analyst: MVB
Dichlorodifluoromethane (CFC-12)	ND	1.25	Q	µg/L	1	4/14/2022 2:14:01 AM
Chloromethane	ND	0.750		µg/L	1	4/14/2022 2:14:01 AM
Vinyl chloride	ND	0.200		µg/L	1	4/14/2022 2:14:01 AM
Bromomethane	ND	1.20		µg/L	1	4/14/2022 2:14:01 AM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
Chloroethane	ND	1.00		µg/L	1	4/14/2022 2:14:01 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
Acetone	ND	6.00		µg/L	1	4/14/2022 2:14:01 AM
Methylene chloride	ND	0.750		µg/L	1	4/14/2022 2:14:01 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
Methyl tert-butyl ether (MTBE)	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
1,1-Dichloroethane	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
2-Butanone (MEK)	ND	1.50		µg/L	1	4/14/2022 2:14:01 AM
Chloroform	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
1,1,1-Trichloroethane (TCA)	ND	0.400		µg/L	1	4/14/2022 2:14:01 AM
1,1-Dichloropropene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
Carbon tetrachloride	ND	0.750		µg/L	1	4/14/2022 2:14:01 AM
1,2-Dichloroethane (EDC)	ND	0.400		µg/L	1	4/14/2022 2:14:01 AM
Benzene	ND	0.440		µg/L	1	4/14/2022 2:14:01 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
1,2-Dichloropropane	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
Bromodichloromethane	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
Dibromomethane	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM

Analytical Report

Work Order: **2204185**
Date Reported: **4/19/2022**

Client: Aspect Consulting
Collection Date: 4/12/2022 2:35:00 PM
Project: Block 95
Lab ID: 2204185-003
Matrix: Water
Client Sample ID: GEI-13-041222

Volatile Organic Compounds by EPA Method 8260D Batch ID: 36093 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Toluene	ND	0.750		µg/L	1	4/14/2022 2:14:01 AM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
Methyl Isobutyl Ketone (MIBK)	ND	1.25		µg/L	1	4/14/2022 2:14:01 AM
1,1,2-Trichloroethane	ND	0.350		µg/L	1	4/14/2022 2:14:01 AM
1,3-Dichloropropane	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
Tetrachloroethene (PCE)	ND	0.400		µg/L	1	4/14/2022 2:14:01 AM
Dibromochloromethane	ND	1.00		µg/L	1	4/14/2022 2:14:01 AM
1,2-Dibromoethane (EDB)	ND	0.300		µg/L	1	4/14/2022 2:14:01 AM
2-Hexanone (MBK)	ND	1.00		µg/L	1	4/14/2022 2:14:01 AM
Chlorobenzene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
1,1,1,2-Tetrachloroethane	ND	0.300		µg/L	1	4/14/2022 2:14:01 AM
Ethylbenzene	ND	0.400		µg/L	1	4/14/2022 2:14:01 AM
m,p-Xylene	ND	1.00		µg/L	1	4/14/2022 2:14:01 AM
o-Xylene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
Styrene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
Isopropylbenzene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
Bromoform	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
1,1,2,2-Tetrachloroethane	ND	0.400		µg/L	1	4/14/2022 2:14:01 AM
n-Propylbenzene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
Bromobenzene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
1,3,5-Trimethylbenzene	ND	0.250		µg/L	1	4/14/2022 2:14:01 AM
2-Chlorotoluene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
4-Chlorotoluene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
tert-Butylbenzene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
1,2,3-Trichloropropane	ND	0.400		µg/L	1	4/14/2022 2:14:01 AM
1,2,4-Trichlorobenzene	ND	0.750		µg/L	1	4/14/2022 2:14:01 AM
sec-Butylbenzene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
4-Isopropyltoluene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
n-Butylbenzene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	4/14/2022 2:14:01 AM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	4/14/2022 2:14:01 AM
Naphthalene	ND	1.25		µg/L	1	4/14/2022 2:14:01 AM
1,2,3-Trichlorobenzene	ND	0.700		µg/L	1	4/14/2022 2:14:01 AM
Surr: Dibromofluoromethane	111	80 - 120		%Rec	1	4/14/2022 2:14:01 AM
Surr: Toluene-d8	105	80 - 120		%Rec	1	4/14/2022 2:14:01 AM

Analytical Report

Work Order: **2204185**
Date Reported: **4/19/2022**

Client: Aspect Consulting
Collection Date: 4/12/2022 2:35:00 PM
Project: Block 95
Lab ID: 2204185-003
Matrix: Water
Client Sample ID: GEI-13-041222

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 36093		Analyst: MVB
Surr: 1-Bromo-4-fluorobenzene	89.3	80 - 120		%Rec	1	4/14/2022 2:14:01 AM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Dissolved Metals by EPA Method 200.8				Batch ID: 36082		Analyst: EH
Arsenic	1.00	1.00		µg/L	1	4/14/2022 12:33:35 AM

Analytical Report

Work Order: **2204185**
Date Reported: **4/19/2022**

Client: Aspect Consulting
Project: Block 95
Lab ID: 2204185-004
Client Sample ID: TB-041122

Collection Date:
Matrix: Water

Volatile Organic Compounds by EPA Method 8260D Batch ID: 36093 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Dichlorodifluoromethane (CFC-12)	ND	1.25	Q	µg/L	1	4/13/2022 6:41:58 PM
Chloromethane	ND	0.750		µg/L	1	4/13/2022 6:41:58 PM
Vinyl chloride	ND	0.200		µg/L	1	4/13/2022 6:41:58 PM
Bromomethane	ND	1.20		µg/L	1	4/13/2022 6:41:58 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
Chloroethane	ND	1.00		µg/L	1	4/13/2022 6:41:58 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
Acetone	ND	6.00		µg/L	1	4/13/2022 6:41:58 PM
Methylene chloride	ND	0.750		µg/L	1	4/13/2022 6:41:58 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
Methyl tert-butyl ether (MTBE)	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
2-Butanone (MEK)	ND	1.50		µg/L	1	4/13/2022 6:41:58 PM
Chloroform	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
1,1,1-Trichloroethane (TCA)	ND	0.400		µg/L	1	4/13/2022 6:41:58 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
Carbon tetrachloride	ND	0.750		µg/L	1	4/13/2022 6:41:58 PM
1,2-Dichloroethane (EDC)	ND	0.400		µg/L	1	4/13/2022 6:41:58 PM
Benzene	ND	0.440		µg/L	1	4/13/2022 6:41:58 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
1,2-Dichloropropane	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
Bromodichloromethane	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
Dibromomethane	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
Toluene	ND	0.750		µg/L	1	4/13/2022 6:41:58 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
Methyl Isobutyl Ketone (MIBK)	ND	1.25		µg/L	1	4/13/2022 6:41:58 PM
1,1,2-Trichloroethane	ND	0.350		µg/L	1	4/13/2022 6:41:58 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
Tetrachloroethene (PCE)	ND	0.400		µg/L	1	4/13/2022 6:41:58 PM
Dibromochloromethane	ND	1.00		µg/L	1	4/13/2022 6:41:58 PM
1,2-Dibromoethane (EDB)	ND	0.300		µg/L	1	4/13/2022 6:41:58 PM
2-Hexanone (MBK)	ND	1.00		µg/L	1	4/13/2022 6:41:58 PM
Chlorobenzene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
1,1,1,2-Tetrachloroethane	ND	0.300		µg/L	1	4/13/2022 6:41:58 PM
Ethylbenzene	ND	0.400		µg/L	1	4/13/2022 6:41:58 PM
m,p-Xylene	ND	1.00		µg/L	1	4/13/2022 6:41:58 PM
o-Xylene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM

Analytical Report

Work Order: **2204185**
Date Reported: **4/19/2022**

Client: Aspect Consulting
Project: Block 95
Lab ID: 2204185-004
Client Sample ID: TB-041122

Collection Date:
Matrix: Water

Volatile Organic Compounds by EPA Method 8260D Batch ID: 36093 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Styrene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
Isopropylbenzene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
Bromoform	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
1,1,2,2-Tetrachloroethane	ND	0.400		µg/L	1	4/13/2022 6:41:58 PM
n-Propylbenzene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
Bromobenzene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
1,3,5-Trimethylbenzene	ND	0.250		µg/L	1	4/13/2022 6:41:58 PM
2-Chlorotoluene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
4-Chlorotoluene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
tert-Butylbenzene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
1,2,3-Trichloropropane	ND	0.400		µg/L	1	4/13/2022 6:41:58 PM
1,2,4-Trichlorobenzene	ND	0.750		µg/L	1	4/13/2022 6:41:58 PM
sec-Butylbenzene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
4-Isopropyltoluene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
n-Butylbenzene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	4/13/2022 6:41:58 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	4/13/2022 6:41:58 PM
Naphthalene	ND	1.25		µg/L	1	4/13/2022 6:41:58 PM
1,2,3-Trichlorobenzene	ND	0.700		µg/L	1	4/13/2022 6:41:58 PM
Surr: Dibromofluoromethane	100	80 - 120		%Rec	1	4/13/2022 6:41:58 PM
Surr: Toluene-d8	104	80 - 120		%Rec	1	4/13/2022 6:41:58 PM
Surr: 1-Bromo-4-fluorobenzene	91.3	80 - 120		%Rec	1	4/13/2022 6:41:58 PM

NOTES:
Q - Initial calibration verification for this analyte exceeds acceptance criteria.

Work Order: 2204185
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Dissolved Metals by EPA Method 200.8

Sample ID: **MB-36083FB** SampType: **MBLK** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74736**
Client ID: **MBLKW** Batch ID: **36082** Analysis Date: **4/13/2022** SeqNo: **1533576**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.00									

Sample ID: **MB-36082** SampType: **MBLK** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74736**
Client ID: **MBLKW** Batch ID: **36082** Analysis Date: **4/13/2022** SeqNo: **1533577**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.00									

Sample ID: **LCS-36082** SampType: **LCS** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74736**
Client ID: **LCSW** Batch ID: **36082** Analysis Date: **4/13/2022** SeqNo: **1533578**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	478	1.00	500.0	0	95.6	85	115				

Sample ID: **2204132-001CDUP** SampType: **DUP** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74736**
Client ID: **BATCH** Batch ID: **36082** Analysis Date: **4/13/2022** SeqNo: **1533580**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.00						0		30	

Sample ID: **2204132-001CMS** SampType: **MS** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74736**
Client ID: **BATCH** Batch ID: **36082** Analysis Date: **4/13/2022** SeqNo: **1533581**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	489	1.00	500.0	0	97.9	70	130				

Date: *4/19/2022*

Work Order: 2204185
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Dissolved Metals by EPA Method 200.8

Sample ID: **2204185-003CMS** SampType: **MS** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74736**
Client ID: **GEI-13-041222** Batch ID: **36082** Analysis Date: **4/14/2022** SeqNo: **1533596**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	500	1.00	500.0	1.004	99.8	70	130				

Date: *4/19/2022*

Work Order: 2204185
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **MB-36143** SampType: **MBLK** Units: **µg/L** Prep Date: **4/19/2022** RunNo: **74848**
Client ID: **MBLKW** Batch ID: **36143** Analysis Date: **4/19/2022** SeqNo: **1535489**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.00									

Sample ID: **2204258-001BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **4/19/2022** RunNo: **74848**
Client ID: **BATCH** Batch ID: **36143** Analysis Date: **4/19/2022** SeqNo: **1535492**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	15.9	1.00						15.28	3.87	30	*

NOTES:
* - Associated LCS is above acceptance criteria. Result may be high-biased.

Sample ID: **2204258-001BMS** SampType: **MS** Units: **µg/L** Prep Date: **4/19/2022** RunNo: **74848**
Client ID: **BATCH** Batch ID: **36143** Analysis Date: **4/19/2022** SeqNo: **1535493**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	137	1.00	100.0	15.28	122	70	130				

Sample ID: **2204269-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **4/19/2022** RunNo: **74848**
Client ID: **BATCH** Batch ID: **36143** Analysis Date: **4/19/2022** SeqNo: **1535617**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	110	1.00	100.0	2.393	108	70	130				

Sample ID: **LCS-36143** SampType: **LCS** Units: **µg/L** Prep Date: **4/19/2022** RunNo: **74848**
Client ID: **LCSW** Batch ID: **36143** Analysis Date: **4/20/2022** SeqNo: **1535935**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	107	1.00	100.0	0	107	85	115				

Work Order: 2204185
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-36097** SampType: **MBLK** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74757**
Client ID: **MBLKW** Batch ID: **36097** Analysis Date: **4/14/2022** SeqNo: **1534076**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	100									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	200									
Surr: 2-Fluorobiphenyl	15.2		20.00		76.0	50	150				
Surr: o-Terphenyl	16.0		20.00		80.1	50	150				

Sample ID: **LCS-36097** SampType: **LCS** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74757**
Client ID: **LCSW** Batch ID: **36097** Analysis Date: **4/14/2022** SeqNo: **1534077**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	784	200	1,000	0	78.4	57.2	125				
Surr: 2-Fluorobiphenyl	16.8		20.00		84.1	50	150				
Surr: o-Terphenyl	19.3		20.00		96.7	50	150				

Sample ID: **LCSD-36097** SampType: **LCSD** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74757**
Client ID: **LCSW02** Batch ID: **36097** Analysis Date: **4/14/2022** SeqNo: **1534078**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,070	200	1,000	0	107	57.2	125	784.2	30.5	30	R
Surr: 2-Fluorobiphenyl	20.5		20.00		102	50	150		0		
Surr: o-Terphenyl	25.9		20.00		129	50	150		0		

NOTES:
R - High RPD observed, spike recovery is within range.

Sample ID: **2204185-001BMS** SampType: **MS** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74757**
Client ID: **GEI-10-041122** Batch ID: **36097** Analysis Date: **4/14/2022** SeqNo: **1534295**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,100	234	1,171	111.8	84.7	40.5	128				
Surr: 2-Fluorobiphenyl	14.8		23.41		63.4	50	150				

Work Order: 2204185
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2204185-001BMS** SampType: **MS** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74757**
Client ID: **GEI-10-041122** Batch ID: **36097** Analysis Date: **4/14/2022** SeqNo: **1534295**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: o-Terphenyl	23.4		23.41		100	50	150				

Sample ID: **2204185-001BMSD** SampType: **MSD** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74757**
Client ID: **GEI-10-041122** Batch ID: **36097** Analysis Date: **4/14/2022** SeqNo: **1534296**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	1,050	237	1,183	111.8	78.9	40.5	128	1,104	5.47	30	
Surr: 2-Fluorobiphenyl	13.7		23.65		58.1	50	150		0		
Surr: o-Terphenyl	20.8		23.65		88.0	50	150		0		

Date: *4/19/2022*

Work Order: 2204185
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-36093** SampType: **LCS** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74733**
Client ID: **LCSW** Batch ID: **36093** Analysis Date: **4/13/2022** SeqNo: **1533562**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	413	50.0	500.0	0	82.6	65	135				
Surr: Toluene-d8	24.8		25.00		99.4	65	135				
Surr: 4-Bromofluorobenzene	25.9		25.00		103	65	135				

Sample ID: **MB-36093** SampType: **MBLK** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74733**
Client ID: **MBLKW** Batch ID: **36093** Analysis Date: **4/13/2022** SeqNo: **1533561**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0									
Surr: Toluene-d8	24.6		25.00		98.5	65	135				
Surr: 4-Bromofluorobenzene	22.4		25.00		89.5	65	135				

Sample ID: **2204170-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74733**
Client ID: **BATCH** Batch ID: **36093** Analysis Date: **4/13/2022** SeqNo: **1533543**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0						0		30	
Surr: Toluene-d8	23.7		25.00		94.6	65	135		0		
Surr: 4-Bromofluorobenzene	23.6		25.00		94.4	65	135		0		

Sample ID: **2204185-002ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74733**
Client ID: **GEI-12-041222** Batch ID: **36093** Analysis Date: **4/14/2022** SeqNo: **1533555**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0						0		30	
Surr: Toluene-d8	24.2		25.00		96.8	65	135		0		
Surr: 4-Bromofluorobenzene	22.7		25.00		90.9	65	135		0		

Work Order: 2204185
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2204185-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74733**
Client ID: **GEI-10-041122** Batch ID: **36093** Analysis Date: **4/14/2022** SeqNo: **1533553**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	491	50.0	500.0	36.46	90.9	65	135				
Surr: Toluene-d8	25.1		25.00		100	65	135				
Surr: 4-Bromofluorobenzene	25.6		25.00		102	65	135				

Work Order: 2204185
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-36093** SampType: **LCS** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74738**
Client ID: **LCSW** Batch ID: **36093** Analysis Date: **4/13/2022** SeqNo: **1533623**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	16.1	1.25	20.00	0	80.6	80	120				
Chloromethane	17.0	0.750	20.00	0	85.2	80	120				
Vinyl chloride	18.9	0.200	20.00	0	94.4	80	120				
Bromomethane	19.5	1.20	20.00	0	97.6	80	120				
Trichlorofluoromethane (CFC-11)	20.7	0.500	20.00	0	104	80	120				
Chloroethane	21.2	1.00	20.00	0	106	80	120				
1,1-Dichloroethene	20.5	0.500	20.00	0	103	80	120				
Acetone	50.8	6.00	50.00	0	102	80	120				
Methylene chloride	21.1	0.750	20.00	0	105	80	120				
trans-1,2-Dichloroethene	20.9	0.500	20.00	0	105	80	120				
Methyl tert-butyl ether (MTBE)	20.8	0.500	20.00	0	104	80	120				
1,1-Dichloroethane	20.3	0.500	20.00	0	101	80	120				
cis-1,2-Dichloroethene	20.6	0.500	20.00	0	103	80	120				
2-Butanone (MEK)	48.3	1.50	50.00	0	96.6	80	120				
Chloroform	20.4	0.500	20.00	0	102	80	120				
1,1,1-Trichloroethane (TCA)	20.8	0.400	20.00	0	104	80	120				
1,1-Dichloropropene	20.7	0.500	20.00	0	103	80	120				
Carbon tetrachloride	20.8	0.750	20.00	0	104	80	120				
1,2-Dichloroethane (EDC)	20.8	0.400	20.00	0	104	80	120				
Benzene	20.6	0.440	20.00	0	103	80	120				
Trichloroethene (TCE)	20.6	0.500	20.00	0	103	80	120				
1,2-Dichloropropane	20.4	0.500	20.00	0	102	80	120				
Bromodichloromethane	20.3	0.500	20.00	0	101	80	120				
Dibromomethane	20.7	0.500	20.00	0	103	80	120				
cis-1,3-Dichloropropene	19.5	0.500	20.00	0	97.6	80	120				
Toluene	21.5	0.750	20.00	0	108	80	120				
trans-1,3-Dichloropropylene	18.9	0.500	20.00	0	94.4	80	120				
Methyl Isobutyl Ketone (MIBK)	51.4	1.25	50.00	0	103	80	120				
1,1,2-Trichloroethane	19.9	0.350	20.00	0	99.6	80	120				
1,3-Dichloropropane	20.1	0.500	20.00	0	101	80	120				

Work Order: 2204185
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-36093** SampType: **LCS** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74738**
Client ID: **LCSW** Batch ID: **36093** Analysis Date: **4/13/2022** SeqNo: **1533623**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	20.9	0.400	20.00	0	105	80	120				
Dibromochloromethane	19.1	1.00	20.00	0	95.5	80	120				
1,2-Dibromoethane (EDB)	19.1	0.300	20.00	0	95.4	80	120				
2-Hexanone (MBK)	44.9	1.00	50.00	0	89.8	80	120				
Chlorobenzene	20.0	0.500	20.00	0	100	80	120				
1,1,1,2-Tetrachloroethane	19.1	0.300	20.00	0	95.5	80	120				
Ethylbenzene	21.1	0.400	20.00	0	106	80	120				
m,p-Xylene	40.3	1.00	40.00	0	101	80	120				
o-Xylene	19.7	0.500	20.00	0	98.7	80	120				
Styrene	20.0	0.500	20.00	0	100	80	120				
Isopropylbenzene	20.5	0.500	20.00	0	103	80	120				
Bromoform	16.8	0.500	20.00	0	83.8	80	120				
1,1,2,2-Tetrachloroethane	19.3	0.400	20.00	0	96.6	80	120				
n-Propylbenzene	20.1	0.500	20.00	0	101	80	120				
Bromobenzene	20.1	0.500	20.00	0	101	80	120				
1,3,5-Trimethylbenzene	20.5	0.250	20.00	0	103	80	120				
2-Chlorotoluene	19.5	0.500	20.00	0	97.5	80	120				
4-Chlorotoluene	20.1	0.500	20.00	0	100	80	120				
tert-Butylbenzene	20.4	0.500	20.00	0	102	80	120				
1,2,3-Trichloropropane	17.7	0.400	20.00	0	88.3	80	120				
1,2,4-Trichlorobenzene	20.2	0.750	20.00	0	101	80	120				
sec-Butylbenzene	19.7	0.500	20.00	0	98.3	80	120				
4-Isopropyltoluene	20.2	0.500	20.00	0	101	80	120				
1,3-Dichlorobenzene	19.8	0.500	20.00	0	98.8	80	120				
1,4-Dichlorobenzene	19.8	0.500	20.00	0	98.8	80	120				
n-Butylbenzene	21.3	0.500	20.00	0	106	80	120				
1,2-Dichlorobenzene	19.6	0.500	20.00	0	97.9	80	120				
1,2-Dibromo-3-chloropropane	17.7	1.00	20.00	0	88.3	80	120				
1,2,4-Trimethylbenzene	20.5	0.500	20.00	0	103	80	120				
Hexachloro-1,3-butadiene	20.7	0.500	20.00	0	104	80	120				

Work Order: 2204185
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-36093** SampType: **LCS** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74738**
Client ID: **LCSW** Batch ID: **36093** Analysis Date: **4/13/2022** SeqNo: **1533623**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	20.5	1.25	20.00	0	103	80	120				
1,2,3-Trichlorobenzene	20.6	0.700	20.00	0	103	80	120				
Surr: Dibromofluoromethane	21.4		25.00		85.7	80	120				
Surr: Toluene-d8	26.6		25.00		106	80	120				
Surr: 1-Bromo-4-fluorobenzene	27.0		25.00		108	80	120				

Sample ID: **MB-36093** SampType: **MBLK** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74738**
Client ID: **MBLKW** Batch ID: **36093** Analysis Date: **4/13/2022** SeqNo: **1533622**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.25									Q
Chloromethane	ND	0.750									
Vinyl chloride	ND	0.200									
Bromomethane	ND	1.20									
Trichlorofluoromethane (CFC-11)	ND	0.500									
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	0.500									
Acetone	ND	6.00									
Methylene chloride	ND	0.750									
trans-1,2-Dichloroethene	ND	0.500									
Methyl tert-butyl ether (MTBE)	ND	0.500									
1,1-Dichloroethane	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
2-Butanone (MEK)	ND	1.50									
Chloroform	ND	0.500									
1,1,1-Trichloroethane (TCA)	ND	0.400									
1,1-Dichloropropene	ND	0.500									
Carbon tetrachloride	ND	0.750									
1,2-Dichloroethane (EDC)	ND	0.400									
Benzene	ND	0.440									

Work Order: 2204185
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-36093** SampType: **MBLK** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74738**
Client ID: **MBLKW** Batch ID: **36093** Analysis Date: **4/13/2022** SeqNo: **1533622**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Trichloroethene (TCE)	ND	0.500									
1,2-Dichloropropane	ND	0.500									
Bromodichloromethane	ND	0.500									
Dibromomethane	ND	0.500									
cis-1,3-Dichloropropene	ND	0.500									
Toluene	ND	0.750									
trans-1,3-Dichloropropylene	ND	0.500									
Methyl Isobutyl Ketone (MIBK)	ND	1.25									
1,1,2-Trichloroethane	ND	0.350									
1,3-Dichloropropane	ND	0.500									
Tetrachloroethene (PCE)	ND	0.400									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.300									
2-Hexanone (MBK)	ND	1.00									
Chlorobenzene	ND	0.500									
1,1,1,2-Tetrachloroethane	ND	0.300									
Ethylbenzene	ND	0.400									
m,p-Xylene	ND	1.00									
o-Xylene	ND	0.500									
Styrene	ND	0.500									
Isopropylbenzene	ND	0.500									
Bromoform	ND	0.500									
1,1,2,2-Tetrachloroethane	ND	0.400									
n-Propylbenzene	ND	0.500									
Bromobenzene	ND	0.500									
1,3,5-Trimethylbenzene	ND	0.250									
2-Chlorotoluene	ND	0.500									
4-Chlorotoluene	ND	0.500									
tert-Butylbenzene	ND	0.500									
1,2,3-Trichloropropane	ND	0.400									

Work Order: 2204185
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-36093** SampType: **MBLK** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74738**
Client ID: **MBLKW** Batch ID: **36093** Analysis Date: **4/13/2022** SeqNo: **1533622**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	0.750									
sec-Butylbenzene	ND	0.500									
4-Isopropyltoluene	ND	0.500									
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
n-Butylbenzene	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2,4-Trimethylbenzene	ND	0.500									
Hexachloro-1,3-butadiene	ND	0.500									
Naphthalene	ND	1.25									
1,2,3-Trichlorobenzene	ND	0.700									
Surr: Dibromofluoromethane	26.2		25.00		105	80	120				
Surr: Toluene-d8	25.8		25.00		103	80	120				
Surr: 1-Bromo-4-fluorobenzene	22.4		25.00		89.7	80	120				

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Sample ID: **2204170-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74738**
Client ID: **BATCH** Batch ID: **36093** Analysis Date: **4/13/2022** SeqNo: **1533605**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.25						0		30	Q
Chloromethane	ND	0.750						0		30	
Vinyl chloride	0.238	0.200						0.2439	2.48	30	
Bromomethane	ND	1.20						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.500						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	0.500						0		30	
Acetone	ND	6.00						0		30	
Methylene chloride	ND	0.750						0		30	

Work Order: 2204185
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2204170-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74738**
Client ID: **BATCH** Batch ID: **36093** Analysis Date: **4/13/2022** SeqNo: **1533605**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.500						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.500						0		30	
1,1-Dichloroethane	ND	0.500						0		30	
cis-1,2-Dichloroethene	ND	0.500						0		30	
2-Butanone (MEK)	ND	1.50						0		30	
Chloroform	ND	0.500						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.400						0		30	
1,1-Dichloropropene	ND	0.500						0		30	
Carbon tetrachloride	ND	0.750						0		30	
1,2-Dichloroethane (EDC)	ND	0.400						0		30	
Benzene	ND	0.440						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	0.500						0		30	
Bromodichloromethane	ND	0.500						0		30	
Dibromomethane	ND	0.500						0		30	
cis-1,3-Dichloropropene	ND	0.500						0		30	
Toluene	ND	0.750						0		30	
trans-1,3-Dichloropropylene	ND	0.500						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	1.25						0		30	
1,1,2-Trichloroethane	ND	0.350						0		30	
1,3-Dichloropropane	ND	0.500						0		30	
Tetrachloroethene (PCE)	ND	0.400						0		30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.300						0		30	
2-Hexanone (MBK)	ND	1.00						0		30	
Chlorobenzene	ND	0.500						0		30	
1,1,1,2-Tetrachloroethane	ND	0.300						0		30	
Ethylbenzene	ND	0.400						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	0.500						0		30	

Work Order: 2204185
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2204170-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74738**
Client ID: **BATCH** Batch ID: **36093** Analysis Date: **4/13/2022** SeqNo: **1533605**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	ND	0.500						0		30	
Isopropylbenzene	ND	0.500						0		30	
Bromoform	ND	0.500						0		30	
1,1,2,2-Tetrachloroethane	ND	0.400						0		30	
n-Propylbenzene	ND	0.500						0		30	
Bromobenzene	ND	0.500						0		30	
1,3,5-Trimethylbenzene	ND	0.250						0		30	
2-Chlorotoluene	ND	0.500						0		30	
4-Chlorotoluene	ND	0.500						0		30	
tert-Butylbenzene	ND	0.500						0		30	
1,2,3-Trichloropropane	ND	0.400						0		30	
1,2,4-Trichlorobenzene	ND	0.750						0		30	
sec-Butylbenzene	ND	0.500						0		30	
4-Isopropyltoluene	ND	0.500						0		30	
1,3-Dichlorobenzene	ND	0.500						0		30	
1,4-Dichlorobenzene	ND	0.500						0		30	
n-Butylbenzene	ND	0.500						0		30	
1,2-Dichlorobenzene	ND	0.500						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
1,2,4-Trimethylbenzene	ND	0.500						0		30	
Hexachloro-1,3-butadiene	ND	0.500						0		30	
Naphthalene	ND	1.25						0		30	
1,2,3-Trichlorobenzene	ND	0.700						0		30	
Surr: Dibromofluoromethane	26.4		25.00		106	80	120		0		
Surr: Toluene-d8	26.1		25.00		104	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	23.7		25.00		94.8	80	120		0		

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Work Order: 2204185
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2204185-003AMS** SampType: **MS** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74738**
Client ID: **GEI-13-041222** Batch ID: **36093** Analysis Date: **4/14/2022** SeqNo: **1533617**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	25.3	1.25	20.00	0	127	1.35	172				
Chloromethane	27.6	0.750	20.00	0	138	27.2	164				
Vinyl chloride	28.2	0.200	20.00	0	141	52.3	147				
Bromomethane	27.1	1.20	20.00	0	136	24.2	186				
Trichlorofluoromethane (CFC-11)	30.9	0.500	20.00	0	154	71.2	137				S
Chloroethane	31.1	1.00	20.00	0	155	62.9	141				S
1,1-Dichloroethene	29.4	0.500	20.00	0	147	76.5	136				S
Acetone	74.5	6.00	50.00	0	149	56.1	148				S
Methylene chloride	30.0	0.750	20.00	0	150	73.7	132				S
trans-1,2-Dichloroethene	29.9	0.500	20.00	0	150	79.1	131				S
Methyl tert-butyl ether (MTBE)	27.6	0.500	20.00	0	138	60.2	140				
1,1-Dichloroethane	29.1	0.500	20.00	0	146	74.3	138				S
cis-1,2-Dichloroethene	28.7	0.500	20.00	0	144	78.3	131				S
2-Butanone (MEK)	67.0	1.50	50.00	0	134	61.5	139				
Chloroform	28.9	0.500	20.00	0	144	78.9	131				S
1,1,1-Trichloroethane (TCA)	29.7	0.400	20.00	0	148	81.1	132				S
1,1-Dichloropropene	29.0	0.500	20.00	0	145	81.3	133				S
Carbon tetrachloride	30.2	0.750	20.00	0	151	79.5	133				S
1,2-Dichloroethane (EDC)	28.9	0.400	20.00	0	144	73.4	132				S
Benzene	29.6	0.440	20.00	0	148	78.5	133				S
Trichloroethene (TCE)	28.1	0.500	20.00	0	140	75	133				S
1,2-Dichloropropane	28.2	0.500	20.00	0	141	76.2	134				S
Bromodichloromethane	28.3	0.500	20.00	0	141	76.1	130				S
Dibromomethane	28.3	0.500	20.00	0	142	75.5	130				S
cis-1,3-Dichloropropene	24.4	0.500	20.00	0	122	68.4	128				
Toluene	32.2	0.750	20.00	0	161	77	133				S
trans-1,3-Dichloropropylene	22.9	0.500	20.00	0	114	63.8	132				
Methyl Isobutyl Ketone (MIBK)	59.6	1.25	50.00	0	119	59.1	143				
1,1,2-Trichloroethane	27.7	0.350	20.00	0	139	75.2	130				S
1,3-Dichloropropane	27.7	0.500	20.00	0	139	73.9	131				S

Work Order: 2204185
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2204185-003AMS** SampType: **MS** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74738**
Client ID: **GEI-13-041222** Batch ID: **36093** Analysis Date: **4/14/2022** SeqNo: **1533617**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	31.6	0.400	20.00	0	158	78	131				S
Dibromochloromethane	26.4	1.00	20.00	0	132	72.6	129				S
1,2-Dibromoethane (EDB)	26.3	0.300	20.00	0	131	73.9	128				S
2-Hexanone (MBK)	52.0	1.00	50.00	0	104	55.6	149				
Chlorobenzene	21.1	0.500	20.00	0	105	80.9	124				
1,1,1,2-Tetrachloroethane	18.6	0.300	20.00	0	93.1	79.3	123				
Ethylbenzene	21.8	0.400	20.00	0	109	77.9	133				
m,p-Xylene	42.1	1.00	40.00	0	105	74.8	133				
o-Xylene	20.5	0.500	20.00	0	102	81.2	126				
Styrene	20.6	0.500	20.00	0	103	75.7	126				
Isopropylbenzene	21.2	0.500	20.00	0	106	79.1	132				
Bromoform	15.8	0.500	20.00	0	79.1	68.3	132				
1,1,2,2-Tetrachloroethane	26.3	0.400	20.00	0	132	72.7	141				
n-Propylbenzene	20.6	0.500	20.00	0	103	77.2	137				
Bromobenzene	21.1	0.500	20.00	0	106	79.9	124				
1,3,5-Trimethylbenzene	21.3	0.250	20.00	0	107	77.4	132				
2-Chlorotoluene	20.5	0.500	20.00	0	102	77.9	133				
4-Chlorotoluene	21.2	0.500	20.00	0	106	78	130				
tert-Butylbenzene	21.5	0.500	20.00	0	108	79.5	131				
1,2,3-Trichloropropane	16.3	0.400	20.00	0	81.4	66.3	132				
1,2,4-Trichlorobenzene	20.7	0.750	20.00	0	104	67.6	131				
sec-Butylbenzene	20.3	0.500	20.00	0	101	77.9	136				
4-Isopropyltoluene	20.8	0.500	20.00	0	104	76.3	134				
1,3-Dichlorobenzene	20.6	0.500	20.00	0	103	83.5	123				
1,4-Dichlorobenzene	20.7	0.500	20.00	0	103	84.2	121				
n-Butylbenzene	21.9	0.500	20.00	0	109	76	137				
1,2-Dichlorobenzene	20.5	0.500	20.00	0	102	83.3	124				
1,2-Dibromo-3-chloropropane	19.1	1.00	20.00	0	95.6	57.7	146				
1,2,4-Trimethylbenzene	21.7	0.500	20.00	0	108	75.3	134				
Hexachloro-1,3-butadiene	20.7	0.500	20.00	0	104	68.5	136				

Work Order: 2204185
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2204185-003AMS** SampType: **MS** Units: **µg/L** Prep Date: **4/13/2022** RunNo: **74738**
Client ID: **GEI-13-041222** Batch ID: **36093** Analysis Date: **4/14/2022** SeqNo: **1533617**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	20.7	1.25	20.00	0	103	51.6	149				
1,2,3-Trichlorobenzene	21.5	0.700	20.00	0	108	62.9	138				
Surr: Dibromofluoromethane	29.8		25.00		119	80	120				
Surr: Toluene-d8	37.9		25.00		152	80	120				S
Surr: 1-Bromo-4-fluorobenzene	26.9		25.00		107	80	120				

NOTES:
S - Outlying spike recoveries were associated with this sample.

Sample Log-In Check List

Client Name:	AC	Work Order Number:	2204185
Logged by:	Gabrielle Coeuille	Date Received:	4/12/2022 4:28:00 PM

Chain of Custody

		Yes	No	Not Present
1.	Is Chain of Custody complete?	☑	☐	☐
2.	How was the sample delivered?	Client		

Log In

		Yes	No	NA
3.	Coolers are present?	☑	☐	☐
4.	Shipping container/cooler in good condition?	☑	☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	☐	☐	Not Present ☑
6.	Was an attempt made to cool the samples?	☑	☐	☐
7.	Were all items received at a temperature of >2°C to 6°C *	☑	☐	☐
8.	Sample(s) in proper container(s)?	☑	☐	
9.	Sufficient sample volume for indicated test(s)?	☑	☐	
10.	Are samples properly preserved?	☑	☐	
11.	Was preservative added to bottles?	☐	☑	☐
12.	Is there headspace in the VOA vials?	☐	☑	☐
13.	Did all samples containers arrive in good condition(unbroken)?	☑	☐	
14.	Does paperwork match bottle labels?	☑	☐	
15.	Are matrices correctly identified on Chain of Custody?	☑	☐	
16.	Is it clear what analyses were requested?	☑	☐	
17.	Were all holding times able to be met?	☑	☐	

Special Handling (if applicable)

		Yes	No	NA
18.	Was client notified of all discrepancies with this order?	☑	☐	☐

Person Notified:	Mei Lanier- Kamaha'o	Date:	4/12/2022
By Whom:	Gabrielle Coeuille	Via:	☑ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:	Sample one not field filtered before preservation. Ok to proceed with total metals?		
Client Instructions:	Proceed with total metals for 001 and dissolved metals for the other samples.		

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample 1	4.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

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

Chain of Custody Record & Laboratory Services Agreement

Date: 4/12/2022 Page: 1 of: 1

Laboratory Project No (internal): 2204185

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482-B-4.3

Address:

Collected by: MEK + LG

City, State, Zip:

Location: Seattle

Telephone: (831) 588-2350

Report To (PM): Mei Lanier-Kamaha'o

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Fax:

PM Email: mekamahao@aspectconsulting.com

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) I Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic			Comments
1	GEI-10-041122	4/11/22	1355	W	11	X		X		X								X			Extra volume for lab QA/QC
2	GEI-12-041222	4/12/22	1055	W	5	X		X		X								X			Field filtered for As
3	GEI-13-041222	4/12/22	1435	W	5	X		X		X								X			field filtered for As
4	TB-041122	4/11/22	—	W	1	X															
5																					
6																					
7																					
8																					
9																					
10																					

Not field filtered! GEI-10-041122

Mea

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Lillian Graham	4/12/22 / 1622	x	Alains	4/12 1628
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Block 95- Swedish
Work Order Number: 2204207

April 21, 2022

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 1 sample(s) on 4/13/2022 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Dissolved Metals by EPA Method 200.8
Gasoline by NWTPH-Gx
Volatile Organic Compounds by EPA Method 8260D

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

Date: *04/21/2022*

CLIENT: Aspect Consulting
Project: Block 95- Swedish
Work Order: 2204207

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2204207-001	GEI-11-041322	04/13/2022 2:35 PM	04/13/2022 5:06 PM
2204207-001	GEI-11-041322	04/13/2022 2:35 PM	04/13/2022 5:06 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

Case Narrative

WO#: **2204207**

Date: **4/21/2022**

CLIENT: Aspect Consulting

Project: Block 95- Swedish

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

Analytical Report

Work Order: **2204207**
Date Reported: **4/21/2022**

Client: Aspect Consulting
Collection Date: 4/13/2022 2:35:00 PM
Project: Block 95- Swedish
Lab ID: 2204207-001
Matrix: Groundwater
Client Sample ID: GEI-11-041322

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36126		Analyst: MM
Diesel (Fuel Oil)	ND	118		µg/L	1	4/18/2022 2:28:38 PM
Diesel Range Organics (C12-C24)	1,050	118		µg/L	1	4/18/2022 2:28:38 PM
Heavy Oil	ND	118		µg/L	1	4/18/2022 2:28:38 PM
Total Petroleum Hydrocarbons	1,050	237		µg/L	1	4/18/2022 2:28:38 PM
Surr: 2-Fluorobiphenyl	73.6	50 - 150		%Rec	1	4/18/2022 2:28:38 PM
Surr: o-Terphenyl	83.0	50 - 150		%Rec	1	4/18/2022 2:28:38 PM

NOTES:
Diesel Range Organics - Indicates unresolved compounds in the Diesel range inconsistent with a known petroleum standard. May contain partial contribution from creosote.

Gasoline by NWTPH-Gx				Batch ID: 36108		Analyst: MVB
Gasoline	ND	50.0		µg/L	1	4/14/2022 6:26:06 PM
Surr: Toluene-d8	97.5	65 - 135		%Rec	1	4/14/2022 6:26:06 PM
Surr: 4-Bromofluorobenzene	91.4	65 - 135		%Rec	1	4/14/2022 6:26:06 PM
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 36108		Analyst: MVB
Dichlorodifluoromethane (CFC-12)	ND	1.25		µg/L	1	4/14/2022 6:26:06 PM
Chloromethane	ND	0.750		µg/L	1	4/14/2022 6:26:06 PM
Vinyl chloride	ND	0.200		µg/L	1	4/14/2022 6:26:06 PM
Bromomethane	ND	1.20		µg/L	1	4/14/2022 6:26:06 PM
Trichlorofluoromethane (CFC-11)	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
Chloroethane	ND	1.00		µg/L	1	4/14/2022 6:26:06 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
Acetone	ND	6.00		µg/L	1	4/14/2022 6:26:06 PM
Methylene chloride	ND	0.750		µg/L	1	4/14/2022 6:26:06 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
Methyl tert-butyl ether (MTBE)	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
1,1-Dichloroethane	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
2-Butanone (MEK)	ND	1.50		µg/L	1	4/14/2022 6:26:06 PM
Chloroform	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
1,1,1-Trichloroethane (TCA)	ND	0.400		µg/L	1	4/14/2022 6:26:06 PM
1,1-Dichloropropene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
Carbon tetrachloride	ND	0.750		µg/L	1	4/14/2022 6:26:06 PM
1,2-Dichloroethane (EDC)	ND	0.400		µg/L	1	4/14/2022 6:26:06 PM
Benzene	ND	0.440		µg/L	1	4/14/2022 6:26:06 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM

Analytical Report

Work Order: **2204207**
Date Reported: **4/21/2022**

Client: Aspect Consulting
Project: Block 95- Swedish
Lab ID: 2204207-001
Client Sample ID: **GEI-11-041322**

Collection Date: 4/13/2022 2:35:00 PM
Matrix: Groundwater

Volatile Organic Compounds by EPA Method 8260D Batch ID: 36108 Analyst: MVB

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
1,2-Dichloropropane	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
Bromodichloromethane	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
Dibromomethane	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
cis-1,3-Dichloropropene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
Toluene	ND	0.750		µg/L	1	4/14/2022 6:26:06 PM
trans-1,3-Dichloropropylene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
Methyl Isobutyl Ketone (MIBK)	ND	1.25		µg/L	1	4/14/2022 6:26:06 PM
1,1,2-Trichloroethane	ND	0.350		µg/L	1	4/14/2022 6:26:06 PM
1,3-Dichloropropane	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
Tetrachloroethene (PCE)	ND	0.400		µg/L	1	4/14/2022 6:26:06 PM
Dibromochloromethane	ND	1.00		µg/L	1	4/14/2022 6:26:06 PM
1,2-Dibromoethane (EDB)	ND	0.300		µg/L	1	4/14/2022 6:26:06 PM
2-Hexanone (MBK)	ND	1.00	Q	µg/L	1	4/14/2022 6:26:06 PM
Chlorobenzene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
1,1,1,2-Tetrachloroethane	ND	0.300		µg/L	1	4/14/2022 6:26:06 PM
Ethylbenzene	ND	0.400		µg/L	1	4/14/2022 6:26:06 PM
m,p-Xylene	ND	1.00		µg/L	1	4/14/2022 6:26:06 PM
o-Xylene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
Styrene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
Isopropylbenzene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
Bromoform	ND	0.500	Q	µg/L	1	4/14/2022 6:26:06 PM
1,1,2,2-Tetrachloroethane	ND	0.400	Q	µg/L	1	4/14/2022 6:26:06 PM
n-Propylbenzene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
Bromobenzene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
1,3,5-Trimethylbenzene	ND	0.250		µg/L	1	4/14/2022 6:26:06 PM
2-Chlorotoluene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
4-Chlorotoluene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
tert-Butylbenzene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
1,2,3-Trichloropropane	ND	0.400	Q	µg/L	1	4/14/2022 6:26:06 PM
1,2,4-Trichlorobenzene	ND	0.750		µg/L	1	4/14/2022 6:26:06 PM
sec-Butylbenzene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
4-Isopropyltoluene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
1,3-Dichlorobenzene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
1,4-Dichlorobenzene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
n-Butylbenzene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
1,2-Dichlorobenzene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	4/14/2022 6:26:06 PM
1,2,4-Trimethylbenzene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM
Hexachloro-1,3-butadiene	ND	0.500		µg/L	1	4/14/2022 6:26:06 PM

Analytical Report

Work Order: **2204207**
Date Reported: **4/21/2022**

Client: Aspect Consulting
Project: Block 95- Swedish
Lab ID: 2204207-001
Client Sample ID: GEI-11-041322

Collection Date: 4/13/2022 2:35:00 PM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 36108		Analyst: MVB
Naphthalene	ND	1.25		µg/L	1	4/14/2022 6:26:06 PM
1,2,3-Trichlorobenzene	ND	0.700		µg/L	1	4/14/2022 6:26:06 PM
Surr: Dibromofluoromethane	113	80 - 120		%Rec	1	4/14/2022 6:26:06 PM
Surr: Toluene-d8	105	80 - 120		%Rec	1	4/14/2022 6:26:06 PM
Surr: 1-Bromo-4-fluorobenzene	91.7	80 - 120		%Rec	1	4/14/2022 6:26:06 PM

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Dissolved Metals by EPA Method 200.8				Batch ID: 36145		Analyst: EH
Arsenic	8.16	1.00		µg/L	1	4/21/2022 2:53:01 PM

Date: *4/21/2022*

Work Order: 2204207
CLIENT: Aspect Consulting
Project: Block 95- Swedish

QC SUMMARY REPORT

Dissolved Metals by EPA Method 200.8

Sample ID: **MB-36145** SampType: **MBLK** Units: **µg/L** Prep Date: **4/19/2022** RunNo: **74913**
Client ID: **MBLKW** Batch ID: **36145** Analysis Date: **4/21/2022** SeqNo: **1536883**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.00									

Sample ID: **LCS-36145** SampType: **LCS** Units: **µg/L** Prep Date: **4/19/2022** RunNo: **74913**
Client ID: **LCSW** Batch ID: **36145** Analysis Date: **4/21/2022** SeqNo: **1536884**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	485	1.00	500.0	0	97.0	85	115				

Sample ID: **2204207-001CDUP** SampType: **DUP** Units: **µg/L** Prep Date: **4/19/2022** RunNo: **74913**
Client ID: **GEI-11-041322** Batch ID: **36145** Analysis Date: **4/21/2022** SeqNo: **1536886**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	7.46	1.00						8.160	8.97	30	

Sample ID: **2204207-001CMS** SampType: **MS** Units: **µg/L** Prep Date: **4/19/2022** RunNo: **74913**
Client ID: **GEI-11-041322** Batch ID: **36145** Analysis Date: **4/21/2022** SeqNo: **1536887**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	515	1.00	500.0	8.160	101	70	130				

Sample ID: **2204207-001CMSD** SampType: **MSD** Units: **µg/L** Prep Date: **4/19/2022** RunNo: **74913**
Client ID: **GEI-11-041322** Batch ID: **36145** Analysis Date: **4/21/2022** SeqNo: **1536888**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	515	1.00	500.0	8.160	101	70	130	514.7	0.0888	30	

Date: *4/21/2022*

Work Order: 2204207
CLIENT: Aspect Consulting
Project: Block 95- Swedish

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-36126** SampType: **MBLK** Units: **µg/L** Prep Date: **4/15/2022** RunNo: **74827**
Client ID: **MBLKW** Batch ID: **36126** Analysis Date: **4/18/2022** SeqNo: **1535119**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	100									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	200									
Surr: 2-Fluorobiphenyl	18.5		25.00		73.8	50	150				
Surr: o-Terphenyl	19.6		25.00		78.6	50	150				

Sample ID: **LCS-36126** SampType: **LCS** Units: **µg/L** Prep Date: **4/15/2022** RunNo: **74827**
Client ID: **LCSW** Batch ID: **36126** Analysis Date: **4/18/2022** SeqNo: **1535120**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	897	200	1,250	0	71.7	57.2	125				
Surr: 2-Fluorobiphenyl	20.2		25.00		80.9	50	150				
Surr: o-Terphenyl	25.3		25.00		101	50	150				

Sample ID: **2204230-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **4/15/2022** RunNo: **74827**
Client ID: **BATCH** Batch ID: **36126** Analysis Date: **4/18/2022** SeqNo: **1535128**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	118						0		30	
Heavy Oil	ND	118						0		30	
Total Petroleum Hydrocarbons	ND	235						0		30	
Surr: 2-Fluorobiphenyl	21.2		29.42		72.0	50	150		0		
Surr: o-Terphenyl	23.3		29.42		79.2	50	150		0		

Date: *4/21/2022*

Work Order: 2204207
CLIENT: Aspect Consulting
Project: Block 95- Swedish

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-36108** SampType: **LCS** Units: **µg/L** Prep Date: **4/14/2022** RunNo: **74772**
Client ID: **LCSW** Batch ID: **36108** Analysis Date: **4/14/2022** SeqNo: **1534461**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	508	50.0	500.0	0	102	65	135				
Surr: Toluene-d8	25.6		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	25.5		25.00		102	65	135				

Sample ID: **MB-36108** SampType: **MBLK** Units: **µg/L** Prep Date: **4/14/2022** RunNo: **74772**
Client ID: **MBLKW** Batch ID: **36108** Analysis Date: **4/14/2022** SeqNo: **1534460**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0									
Surr: Toluene-d8	24.8		25.00		99.0	65	135				
Surr: 4-Bromofluorobenzene	23.1		25.00		92.5	65	135				

Sample ID: **2204200-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **4/14/2022** RunNo: **74772**
Client ID: **BATCH** Batch ID: **36108** Analysis Date: **4/14/2022** SeqNo: **1534449**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0						0		30	
Surr: Toluene-d8	24.2		25.00		96.6	65	135		0		
Surr: 4-Bromofluorobenzene	22.6		25.00		90.4	65	135		0		

Sample ID: **2204218-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **4/14/2022** RunNo: **74772**
Client ID: **BATCH** Batch ID: **36108** Analysis Date: **4/14/2022** SeqNo: **1534457**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	483	50.0	500.0	29.42	90.7	65	135				
Surr: Toluene-d8	25.4		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	26.4		25.00		106	65	135				

Date: *4/21/2022*

Work Order: 2204207
CLIENT: Aspect Consulting
Project: Block 95- Swedish

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-36108** SampType: **LCS** Units: **µg/L** Prep Date: **4/14/2022** RunNo: **74773**
Client ID: **LCSW** Batch ID: **36108** Analysis Date: **4/14/2022** SeqNo: **1534475**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	24.5	1.25	20.00	0	122	80	120				S
Chloromethane	22.1	0.750	20.00	0	110	80	120				
Vinyl chloride	21.9	0.200	20.00	0	110	80	120				
Bromomethane	22.3	1.20	20.00	0	111	80	120				
Trichlorofluoromethane (CFC-11)	22.1	0.500	20.00	0	111	80	120				
Chloroethane	23.4	1.00	20.00	0	117	80	120				
1,1-Dichloroethene	21.6	0.500	20.00	0	108	80	120				
Acetone	50.5	6.00	50.00	0	101	80	120				
Methylene chloride	21.5	0.750	20.00	0	107	80	120				
trans-1,2-Dichloroethene	20.8	0.500	20.00	0	104	80	120				
Methyl tert-butyl ether (MTBE)	20.4	0.500	20.00	0	102	80	120				
1,1-Dichloroethane	20.9	0.500	20.00	0	105	80	120				
cis-1,2-Dichloroethene	21.0	0.500	20.00	0	105	80	120				
2-Butanone (MEK)	45.2	1.50	50.00	0	90.5	80	120				
Chloroform	20.5	0.500	20.00	0	102	80	120				
1,1,1-Trichloroethane (TCA)	20.8	0.400	20.00	0	104	80	120				
1,1-Dichloropropene	21.4	0.500	20.00	0	107	80	120				
Carbon tetrachloride	21.0	0.750	20.00	0	105	80	120				
1,2-Dichloroethane (EDC)	20.7	0.400	20.00	0	104	80	120				
Benzene	20.8	0.440	20.00	0	104	80	120				
Trichloroethene (TCE)	21.6	0.500	20.00	0	108	80	120				
1,2-Dichloropropane	20.5	0.500	20.00	0	102	80	120				
Bromodichloromethane	19.9	0.500	20.00	0	99.4	80	120				
Dibromomethane	20.5	0.500	20.00	0	102	80	120				
cis-1,3-Dichloropropene	18.9	0.500	20.00	0	94.5	80	120				
Toluene	22.5	0.750	20.00	0	113	80	120				
trans-1,3-Dichloropropylene	17.8	0.500	20.00	0	88.9	80	120				
Methyl Isobutyl Ketone (MIBK)	42.8	1.25	50.00	0	85.5	80	120				
1,1,2-Trichloroethane	19.7	0.350	20.00	0	98.6	80	120				
1,3-Dichloropropane	19.6	0.500	20.00	0	97.9	80	120				

Date: *4/21/2022*

Work Order: 2204207
CLIENT: Aspect Consulting
Project: Block 95- Swedish

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-36108** SampType: **LCS** Units: **µg/L** Prep Date: **4/14/2022** RunNo: **74773**
Client ID: **LCSW** Batch ID: **36108** Analysis Date: **4/14/2022** SeqNo: **1534475**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Tetrachloroethene (PCE)	22.1	0.400	20.00	0	110	80	120				
Dibromochloromethane	18.4	1.00	20.00	0	91.8	80	120				
1,2-Dibromoethane (EDB)	18.4	0.300	20.00	0	91.8	80	120				
2-Hexanone (MBK)	36.2	1.00	50.00	0	72.4	80	120				S
Chlorobenzene	20.7	0.500	20.00	0	103	80	120				
1,1,1,2-Tetrachloroethane	18.2	0.300	20.00	0	91.1	80	120				
Ethylbenzene	21.4	0.400	20.00	0	107	80	120				
m,p-Xylene	40.5	1.00	40.00	0	101	80	120				
o-Xylene	20.1	0.500	20.00	0	100	80	120				
Styrene	20.1	0.500	20.00	0	101	80	120				
Isopropylbenzene	20.4	0.500	20.00	0	102	80	120				
Bromoform	15.5	0.500	20.00	0	77.5	80	120				S
1,1,2,2-Tetrachloroethane	13.8	0.400	20.00	0	69.0	80	120				S
n-Propylbenzene	19.8	0.500	20.00	0	99.0	80	120				
Bromobenzene	20.5	0.500	20.00	0	103	80	120				
1,3,5-Trimethylbenzene	20.9	0.250	20.00	0	105	80	120				
2-Chlorotoluene	19.9	0.500	20.00	0	99.3	80	120				
4-Chlorotoluene	20.5	0.500	20.00	0	103	80	120				
tert-Butylbenzene	20.8	0.500	20.00	0	104	80	120				
1,2,3-Trichloropropane	15.7	0.400	20.00	0	78.4	80	120				S
1,2,4-Trichlorobenzene	21.4	0.750	20.00	0	107	80	120				
sec-Butylbenzene	19.6	0.500	20.00	0	98.2	80	120				
4-Isopropyltoluene	20.5	0.500	20.00	0	103	80	120				
1,3-Dichlorobenzene	20.6	0.500	20.00	0	103	80	120				
1,4-Dichlorobenzene	20.9	0.500	20.00	0	104	80	120				
n-Butylbenzene	22.5	0.500	20.00	0	112	80	120				
1,2-Dichlorobenzene	20.6	0.500	20.00	0	103	80	120				
1,2-Dibromo-3-chloropropane	16.7	1.00	20.00	0	83.5	80	120				
1,2,4-Trimethylbenzene	21.0	0.500	20.00	0	105	80	120				
Hexachloro-1,3-butadiene	21.6	0.500	20.00	0	108	80	120				

Work Order: 2204207
CLIENT: Aspect Consulting
Project: Block 95- Swedish

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-36108** SampType: **LCS** Units: **µg/L** Prep Date: **4/14/2022** RunNo: **74773**
Client ID: **LCSW** Batch ID: **36108** Analysis Date: **4/14/2022** SeqNo: **1534475**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	20.7	1.25	20.00	0	103	80	120				
1,2,3-Trichlorobenzene	21.4	0.700	20.00	0	107	80	120				
Surr: Dibromofluoromethane	18.8		25.00		75.2	80	120				S
Surr: Toluene-d8	26.8		25.00		107	80	120				
Surr: 1-Bromo-4-fluorobenzene	26.5		25.00		106	80	120				

NOTES:
S - Outlying spike recovery observed (high bias) in Dichlorodifluoromethane. Detections will be qualified with a Q.
S - Outlying spike recovery observed (low bias) in1,2,3, Trichloropropane, Bromoform, 1,1,2,2-Tetrachloroethane, and 2-Hexanone. Samples will be qualified with a Q.
S - Outlying surrogate recovery(ies) observed. All other laboratory and field samples recovered within range.

Sample ID: **MB-36108** SampType: **MBLK** Units: **µg/L** Prep Date: **4/14/2022** RunNo: **74773**
Client ID: **MBLKW** Batch ID: **36108** Analysis Date: **4/14/2022** SeqNo: **1534474**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.25									
Chloromethane	ND	0.750									
Vinyl chloride	ND	0.200									
Bromomethane	ND	1.20									
Trichlorofluoromethane (CFC-11)	ND	0.500									
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	0.500									
Acetone	ND	6.00									
Methylene chloride	ND	0.750									
trans-1,2-Dichloroethene	ND	0.500									
Methyl tert-butyl ether (MTBE)	ND	0.500									
1,1-Dichloroethane	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
2-Butanone (MEK)	ND	1.50									
Chloroform	ND	0.500									
1,1,1-Trichloroethane (TCA)	ND	0.400									
1,1-Dichloropropene	ND	0.500									

Date: *4/21/2022*

Work Order: 2204207
CLIENT: Aspect Consulting
Project: Block 95- Swedish

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-36108** SampType: **MBLK** Units: **µg/L** Prep Date: **4/14/2022** RunNo: **74773**
Client ID: **MBLKW** Batch ID: **36108** Analysis Date: **4/14/2022** SeqNo: **1534474**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Carbon tetrachloride	ND	0.750									
1,2-Dichloroethane (EDC)	ND	0.400									
Benzene	ND	0.440									
Trichloroethene (TCE)	ND	0.500									
1,2-Dichloropropane	ND	0.500									
Bromodichloromethane	ND	0.500									
Dibromomethane	ND	0.500									
cis-1,3-Dichloropropene	ND	0.500									
Toluene	ND	0.750									
trans-1,3-Dichloropropylene	ND	0.500									
Methyl Isobutyl Ketone (MIBK)	ND	1.25									
1,1,2-Trichloroethane	ND	0.350									
1,3-Dichloropropane	ND	0.500									
Tetrachloroethene (PCE)	ND	0.400									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.300									
2-Hexanone (MBK)	ND	1.00									Q
Chlorobenzene	ND	0.500									
1,1,1,2-Tetrachloroethane	ND	0.300									
Ethylbenzene	ND	0.400									
m,p-Xylene	ND	1.00									
o-Xylene	ND	0.500									
Styrene	ND	0.500									
Isopropylbenzene	ND	0.500									
Bromoform	ND	0.500									Q
1,1,2,2-Tetrachloroethane	ND	0.400									Q
n-Propylbenzene	ND	0.500									
Bromobenzene	ND	0.500									
1,3,5-Trimethylbenzene	ND	0.250									
2-Chlorotoluene	ND	0.500									

Work Order: 2204207
CLIENT: Aspect Consulting
Project: Block 95- Swedish

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-36108** SampType: **MBLK** Units: **µg/L** Prep Date: **4/14/2022** RunNo: **74773**
Client ID: **MBLKW** Batch ID: **36108** Analysis Date: **4/14/2022** SeqNo: **1534474**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chlorotoluene	ND	0.500									
tert-Butylbenzene	ND	0.500									
1,2,3-Trichloropropane	ND	0.400									Q
1,2,4-Trichlorobenzene	ND	0.750									
sec-Butylbenzene	ND	0.500									
4-Isopropyltoluene	ND	0.500									
1,3-Dichlorobenzene	ND	0.500									
1,4-Dichlorobenzene	ND	0.500									
n-Butylbenzene	ND	0.500									
1,2-Dichlorobenzene	ND	0.500									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2,4-Trimethylbenzene	ND	0.500									
Hexachloro-1,3-butadiene	ND	0.500									
Naphthalene	ND	1.25									
1,2,3-Trichlorobenzene	ND	0.700									
Surr: Dibromofluoromethane	25.1		25.00		100	80	120				
Surr: Toluene-d8	26.5		25.00		106	80	120				
Surr: 1-Bromo-4-fluorobenzene	23.2		25.00		92.8	80	120				

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Sample ID: **2204200-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **4/14/2022** RunNo: **74773**
Client ID: **BATCH** Batch ID: **36108** Analysis Date: **4/14/2022** SeqNo: **1534464**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.25						0		30	
Chloromethane	ND	0.750						0		30	
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	1.20						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.500						0		30	
Chloroethane	ND	1.00						0		30	

Work Order: 2204207
CLIENT: Aspect Consulting
Project: Block 95- Swedish

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2204200-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **4/14/2022** RunNo: **74773**
Client ID: **BATCH** Batch ID: **36108** Analysis Date: **4/14/2022** SeqNo: **1534464**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethene	ND	0.500						0		30	
Acetone	ND	6.00						0		30	
Methylene chloride	ND	0.750						0		30	
trans-1,2-Dichloroethene	ND	0.500						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.500						0		30	
1,1-Dichloroethane	ND	0.500						0		30	
cis-1,2-Dichloroethene	0.893	0.500						0.8335	6.87	30	
2-Butanone (MEK)	ND	1.50						0		30	
Chloroform	ND	0.500						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.400						0		30	
1,1-Dichloropropene	ND	0.500						0		30	
Carbon tetrachloride	ND	0.750						0		30	
1,2-Dichloroethane (EDC)	ND	0.400						0		30	
Benzene	ND	0.440						0		30	
Trichloroethene (TCE)	0.582	0.500						0.5677	2.52	30	
1,2-Dichloropropane	ND	0.500						0		30	
Bromodichloromethane	ND	0.500						0		30	
Dibromomethane	ND	0.500						0		30	
cis-1,3-Dichloropropene	ND	0.500						0		30	
Toluene	ND	0.750						0		30	
trans-1,3-Dichloropropylene	ND	0.500						0		30	
Methyl Isobutyl Ketone (MIBK)	ND	1.25						0		30	
1,1,2-Trichloroethane	ND	0.350						0		30	
1,3-Dichloropropane	ND	0.500						0		30	
Tetrachloroethene (PCE)	3.54	0.400						3.467	1.97	30	
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.300						0		30	
2-Hexanone (MBK)	ND	1.00						0		30	Q
Chlorobenzene	ND	0.500						0		30	
1,1,1,2-Tetrachloroethane	ND	0.300						0		30	

Work Order: 2204207
CLIENT: Aspect Consulting
Project: Block 95- Swedish

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2204200-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **4/14/2022** RunNo: **74773**
Client ID: **BATCH** Batch ID: **36108** Analysis Date: **4/14/2022** SeqNo: **1534464**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	ND	0.400						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	0.500						0		30	
Styrene	ND	0.500						0		30	
Isopropylbenzene	ND	0.500						0		30	
Bromoform	ND	0.500						0		30	Q
1,1,2,2-Tetrachloroethane	ND	0.400						0		30	Q
n-Propylbenzene	ND	0.500						0		30	
Bromobenzene	ND	0.500						0		30	
1,3,5-Trimethylbenzene	ND	0.250						0		30	
2-Chlorotoluene	ND	0.500						0		30	
4-Chlorotoluene	ND	0.500						0		30	
tert-Butylbenzene	ND	0.500						0		30	
1,2,3-Trichloropropane	ND	0.400						0		30	Q
1,2,4-Trichlorobenzene	ND	0.750						0		30	
sec-Butylbenzene	ND	0.500						0		30	
4-Isopropyltoluene	ND	0.500						0		30	
1,3-Dichlorobenzene	ND	0.500						0		30	
1,4-Dichlorobenzene	ND	0.500						0		30	
n-Butylbenzene	ND	0.500						0		30	
1,2-Dichlorobenzene	ND	0.500						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
1,2,4-Trimethylbenzene	ND	0.500						0		30	
Hexachloro-1,3-butadiene	ND	0.500						0		30	
Naphthalene	ND	1.25						0		30	
1,2,3-Trichlorobenzene	ND	0.700						0		30	
Surr: Dibromofluoromethane	28.1		25.00		112	80	120		0		
Surr: Toluene-d8	26.1		25.00		104	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	22.7		25.00		90.7	80	120		0		

Work Order: 2204207
CLIENT: Aspect Consulting
Project: Block 95- Swedish

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2204200-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **4/14/2022** RunNo: **74773**
Client ID: **BATCH** Batch ID: **36108** Analysis Date: **4/14/2022** SeqNo: **1534464**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
Q - Associated calibration verification is below acceptance criteria. Result may be low-biased.

Sample ID: **2204209-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **4/14/2022** RunNo: **74773**
Client ID: **BATCH** Batch ID: **36108** Analysis Date: **4/14/2022** SeqNo: **1534471**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	26.2	1.25	20.00	0	131	1.35	172				
Chloromethane	24.1	0.750	20.00	0.4048	119	27.2	164				
Vinyl chloride	24.2	0.200	20.00	0	121	52.3	147				
Bromomethane	22.7	1.20	20.00	0	113	24.2	186				
Trichlorofluoromethane (CFC-11)	23.9	0.500	20.00	0	119	71.2	137				
Chloroethane	25.0	1.00	20.00	0	125	62.9	141				
1,1-Dichloroethene	23.4	0.500	20.00	0	117	76.5	136				
Acetone	59.2	6.00	50.00	4.457	110	56.1	148				
Methylene chloride	24.5	0.750	20.00	6.555	89.5	73.7	132				
trans-1,2-Dichloroethene	21.9	0.500	20.00	0	109	79.1	131				
Methyl tert-butyl ether (MTBE)	21.0	0.500	20.00	0	105	60.2	140				
1,1-Dichloroethane	21.9	0.500	20.00	0	109	74.3	138				
cis-1,2-Dichloroethene	22.1	0.500	20.00	0	110	78.3	131				
2-Butanone (MEK)	49.8	1.50	50.00	0	99.6	61.5	139				
Chloroform	21.9	0.500	20.00	0	109	78.9	131				
1,1,1-Trichloroethane (TCA)	22.5	0.400	20.00	0	113	81.1	132				
1,1-Dichloropropene	22.5	0.500	20.00	0	112	81.3	133				
Carbon tetrachloride	22.9	0.750	20.00	0	114	79.5	133				
1,2-Dichloroethane (EDC)	22.0	0.400	20.00	0	110	73.4	132				
Benzene	22.8	0.440	20.00	0	114	78.5	133				
Trichloroethene (TCE)	21.3	0.500	20.00	0	106	75	133				
1,2-Dichloropropane	21.8	0.500	20.00	0	109	76.2	134				
Bromodichloromethane	21.4	0.500	20.00	0	107	76.1	130				
Dibromomethane	21.4	0.500	20.00	0	107	75.5	130				

Date: *4/21/2022*

Work Order: 2204207
CLIENT: Aspect Consulting
Project: Block 95- Swedish

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2204209-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **4/14/2022** RunNo: **74773**
Client ID: **BATCH** Batch ID: **36108** Analysis Date: **4/14/2022** SeqNo: **1534471**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
cis-1,3-Dichloropropene	18.5	0.500	20.00	0	92.6	68.4	128				
Toluene	24.8	0.750	20.00	0	124	77	133				
trans-1,3-Dichloropropylene	17.8	0.500	20.00	0	88.9	63.8	132				
Methyl Isobutyl Ketone (MIBK)	48.9	1.25	50.00	0	97.8	59.1	143				
1,1,2-Trichloroethane	21.2	0.350	20.00	0	106	75.2	130				
1,3-Dichloropropane	20.9	0.500	20.00	0	104	73.9	131				
Tetrachloroethene (PCE)	23.6	0.400	20.00	0	118	78	131				
Dibromochloromethane	20.0	1.00	20.00	0	99.8	72.6	129				
1,2-Dibromoethane (EDB)	19.7	0.300	20.00	0	98.4	73.9	128				
2-Hexanone (MBK)	44.2	1.00	50.00	0	88.4	55.6	149				
Chlorobenzene	21.2	0.500	20.00	0	106	80.9	124				
1,1,1,2-Tetrachloroethane	18.4	0.300	20.00	0	92.2	79.3	123				
Ethylbenzene	20.3	0.400	20.00	0	102	77.9	133				
m,p-Xylene	43.1	1.00	40.00	0	108	74.8	133				
o-Xylene	21.0	0.500	20.00	0	105	81.2	126				
Styrene	21.5	0.500	20.00	0	107	75.7	126				
Isopropylbenzene	21.9	0.500	20.00	0	109	79.1	132				
Bromoform	16.1	0.500	20.00	0	80.3	68.3	132				
1,1,2,2-Tetrachloroethane	27.6	0.400	20.00	0	138	72.7	141				
n-Propylbenzene	21.4	0.500	20.00	0	107	77.2	137				
Bromobenzene	21.5	0.500	20.00	0	107	79.9	124				
1,3,5-Trimethylbenzene	22.0	0.250	20.00	0	110	77.4	132				
2-Chlorotoluene	21.3	0.500	20.00	0	107	77.9	133				
4-Chlorotoluene	21.9	0.500	20.00	0	109	78	130				
tert-Butylbenzene	22.3	0.500	20.00	0	112	79.5	131				
1,2,3-Trichloropropane	17.2	0.400	20.00	0	86.2	66.3	132				
1,2,4-Trichlorobenzene	21.8	0.750	20.00	0	109	67.6	131				
sec-Butylbenzene	21.0	0.500	20.00	0	105	77.9	136				
4-Isopropyltoluene	21.4	0.500	20.00	0	107	76.3	134				
1,3-Dichlorobenzene	21.3	0.500	20.00	0	107	83.5	123				

Work Order: 2204207
CLIENT: Aspect Consulting
Project: Block 95- Swedish

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2204209-001AMS** SampType: **MS** Units: **µg/L** Prep Date: **4/14/2022** RunNo: **74773**
Client ID: **BATCH** Batch ID: **36108** Analysis Date: **4/14/2022** SeqNo: **1534471**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,4-Dichlorobenzene	21.3	0.500	20.00	0	106	84.2	121				
n-Butylbenzene	22.5	0.500	20.00	0	112	76	137				
1,2-Dichlorobenzene	21.2	0.500	20.00	0	106	83.3	124				
1,2-Dibromo-3-chloropropane	18.2	1.00	20.00	0	91.2	57.7	146				
1,2,4-Trimethylbenzene	22.3	0.500	20.00	0	112	75.3	134				
Hexachloro-1,3-butadiene	21.9	0.500	20.00	0	110	68.5	136				
Naphthalene	21.6	1.25	20.00	0	108	51.6	149				
1,2,3-Trichlorobenzene	22.3	0.700	20.00	0	112	62.9	138				
Surr: Dibromofluoromethane	21.3		25.00		85.3	80	120				
Surr: Toluene-d8	28.2		25.00		113	80	120				
Surr: 1-Bromo-4-fluorobenzene	27.6		25.00		110	80	120				

Sample Log-In Check List

Client Name:	AC	Work Order Number:	2204207
Logged by:	Gabrielle Coeuille	Date Received:	4/13/2022 5:06:00 PM

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? Client

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 ☐

   Samples were collected the same day and chilled.
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 ºC
Sample 1	14.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

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

Chain of Custody Record & Laboratory Services Agreement

Date: 4/13/22 Page: of:

Laboratory Project No (internal): 2204207

Project Name: Block 95 - Swedish

Special Remarks:

Client: Aspect

Project No: 200482

Address:

Collected by:

City, State, Zip:

Location:

Telephone:

Report To (PM): Meilani Lanier-Kamaha'o

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email: mlKamahao@aspectconsulting.com

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Comments
1	GEI-11-041322	4/13/22	1435	GW	5	3				1				1								PM will call re analysis
2																						
3																						
4																						
5																						
6																						
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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Lillian Graham	4/13/22 17:02	x Alex Trejo	Alex Trejo	4/13/22 17:06
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

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

Chain of Custody Record & Laboratory Services Agreement

Date: 4/13/22 Page: of:

Laboratory Project No (internal): 2204207

Project Name: Block 95 - Swedish

Special Remarks:
Edits per M.L.K 4/14/2022 -BB

Client: Aspect

Project No: 200482

Address:

Collected by:

City, State, Zip:

Location:

Telephone:

Report To (PM): Meilani Lanier-Kamaha'o

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email: mlKamahao@aspectconsulting.com

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Comments
1	GEI-11-041322	4/13/22	1435	GW	5	X		X		X				X								PM will call re analysis
2																						
3																						
4																						
5																						
6																						
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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Lillian Graham	4/13/22 17:02	x Alex Trejo	Alex Trejo	4/13/22 17:06
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Block 95
Work Order Number: 2204339

April 25, 2022

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 7 sample(s) on 4/20/2022 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B

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

Date: *04/25/2022*

CLIENT: Aspect Consulting
Project: Block 95
Work Order: 2204339

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2204339-001	B95-TP-06-25	04/19/2022 12:10 PM	04/20/2022 1:12 PM
2204339-002	B95-TP-06-27	04/19/2022 12:25 PM	04/20/2022 1:12 PM
2204339-003	B95-TP-06-29	04/19/2022 12:30 PM	04/20/2022 1:12 PM
2204339-004	TB-041922		04/20/2022 1:12 PM
2204339-005	B95-TP-21-25	04/19/2022 1:40 PM	04/20/2022 1:12 PM
2204339-006	B95-TP-21-27	04/19/2022 1:45 PM	04/20/2022 1:12 PM
2204339-007	B95-TP-21-29	04/19/2022 1:50 PM	04/20/2022 1:12 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2204339**

Date: **4/25/2022**

CLIENT: Aspect Consulting
Project: Block 95

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

Analytical Report

Work Order: **2204339**
Date Reported: **4/25/2022**

Client: Aspect Consulting
Collection Date: 4/19/2022 12:10:00 PM
Project: Block 95
Lab ID: 2204339-001
Matrix: Soil
Client Sample ID: **B95-TP-06-25**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36199		Analyst: MM
Diesel (Fuel Oil)	ND	55.4		mg/Kg-dry	1	4/22/2022 10:13:52 PM
Heavy Oil	ND	111		mg/Kg-dry	1	4/22/2022 10:13:52 PM
Total Petroleum Hydrocarbons	ND	166		mg/Kg-dry	1	4/22/2022 10:13:52 PM
Surr: 2-Fluorobiphenyl	96.5	50 - 150		%Rec	1	4/22/2022 10:13:52 PM
Surr: o-Terphenyl	101	50 - 150		%Rec	1	4/22/2022 10:13:52 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 36174		Analyst: SB
Naphthalene	ND	21.3		µg/Kg-dry	1	4/22/2022 4:03:35 PM
2-Methylnaphthalene	ND	21.3		µg/Kg-dry	1	4/22/2022 4:03:35 PM
1-Methylnaphthalene	ND	21.3		µg/Kg-dry	1	4/22/2022 4:03:35 PM
Acenaphthylene	ND	21.3		µg/Kg-dry	1	4/22/2022 4:03:35 PM
Acenaphthene	ND	21.3		µg/Kg-dry	1	4/22/2022 4:03:35 PM
Fluorene	ND	21.3		µg/Kg-dry	1	4/22/2022 4:03:35 PM
Phenanthrene	ND	42.7		µg/Kg-dry	1	4/22/2022 4:03:35 PM
Anthracene	ND	42.7		µg/Kg-dry	1	4/22/2022 4:03:35 PM
Fluoranthene	ND	42.7		µg/Kg-dry	1	4/22/2022 4:03:35 PM
Pyrene	ND	42.7		µg/Kg-dry	1	4/22/2022 4:03:35 PM
Benz(a)anthracene	ND	21.3		µg/Kg-dry	1	4/22/2022 4:03:35 PM
Chrysene	ND	42.7		µg/Kg-dry	1	4/22/2022 4:03:35 PM
Benzo(b)fluoranthene	ND	21.3		µg/Kg-dry	1	4/22/2022 4:03:35 PM
Benzo(k)fluoranthene	ND	21.3		µg/Kg-dry	1	4/22/2022 4:03:35 PM
Benzo(a)pyrene	ND	21.3		µg/Kg-dry	1	4/22/2022 4:03:35 PM
Indeno(1,2,3-cd)pyrene	ND	42.7		µg/Kg-dry	1	4/22/2022 4:03:35 PM
Dibenz(a,h)anthracene	ND	42.7		µg/Kg-dry	1	4/22/2022 4:03:35 PM
Benzo(g,h,i)perylene	ND	21.3		µg/Kg-dry	1	4/22/2022 4:03:35 PM
Surr: 2-Fluorobiphenyl	73.0	29.6 - 130		%Rec	1	4/22/2022 4:03:35 PM
Surr: Terphenyl-d14 (surr)	78.8	38 - 145		%Rec	1	4/22/2022 4:03:35 PM
Gasoline by NWTPH-Gx				Batch ID: 36172		Analyst: TN
Gasoline	ND	4.76		mg/Kg-dry	1	4/21/2022 3:23:42 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	4/21/2022 3:23:42 AM
Surr: 4-Bromofluorobenzene	101	65 - 135		%Rec	1	4/21/2022 3:23:42 AM
Total Metals by EPA Method 6020B				Batch ID: 36176		Analyst: EH
Arsenic	3.17	0.111		mg/Kg-dry	1	4/21/2022 4:02:11 PM

Analytical Report

Work Order: **2204339**
Date Reported: **4/25/2022**

Client: Aspect Consulting
Collection Date: 4/19/2022 12:10:00 PM
Project: Block 95
Lab ID: 2204339-001
Matrix: Soil
Client Sample ID: **B95-TP-06-25**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R74897		Analyst: ALB
Percent Moisture	13.5	0.500		wt%	1	4/21/2022 9:31:59 AM

Analytical Report

Work Order: **2204339**
Date Reported: **4/25/2022**

Client: Aspect Consulting
Collection Date: 4/19/2022 1:40:00 PM
Project: Block 95
Lab ID: 2204339-005
Matrix: Soil
Client Sample ID: **B95-TP-21-25**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36181		Analyst: MM
Diesel (Fuel Oil)	ND	46.9		mg/Kg-dry	1	4/21/2022 10:47:47 PM
Heavy Oil	ND	93.8		mg/Kg-dry	1	4/21/2022 10:47:47 PM
Total Petroleum Hydrocarbons	ND	141		mg/Kg-dry	1	4/21/2022 10:47:47 PM
Surr: 2-Fluorobiphenyl	86.3	50 - 150		%Rec	1	4/21/2022 10:47:47 PM
Surr: o-Terphenyl	88.6	50 - 150		%Rec	1	4/21/2022 10:47:47 PM
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)				Batch ID: 36174		Analyst: SB
Naphthalene	ND	19.7		µg/Kg-dry	1	4/22/2022 4:26:22 PM
2-Methylnaphthalene	ND	19.7		µg/Kg-dry	1	4/22/2022 4:26:22 PM
1-Methylnaphthalene	ND	19.7		µg/Kg-dry	1	4/22/2022 4:26:22 PM
Acenaphthylene	ND	19.7		µg/Kg-dry	1	4/22/2022 4:26:22 PM
Acenaphthene	ND	19.7		µg/Kg-dry	1	4/22/2022 4:26:22 PM
Fluorene	ND	19.7		µg/Kg-dry	1	4/22/2022 4:26:22 PM
Phenanthrene	ND	39.5		µg/Kg-dry	1	4/22/2022 4:26:22 PM
Anthracene	ND	39.5		µg/Kg-dry	1	4/22/2022 4:26:22 PM
Fluoranthene	ND	39.5		µg/Kg-dry	1	4/22/2022 4:26:22 PM
Pyrene	ND	39.5		µg/Kg-dry	1	4/22/2022 4:26:22 PM
Benz(a)anthracene	ND	19.7		µg/Kg-dry	1	4/22/2022 4:26:22 PM
Chrysene	ND	39.5		µg/Kg-dry	1	4/22/2022 4:26:22 PM
Benzo(b)fluoranthene	ND	19.7		µg/Kg-dry	1	4/22/2022 4:26:22 PM
Benzo(k)fluoranthene	ND	19.7		µg/Kg-dry	1	4/22/2022 4:26:22 PM
Benzo(a)pyrene	ND	19.7		µg/Kg-dry	1	4/22/2022 4:26:22 PM
Indeno(1,2,3-cd)pyrene	ND	39.5		µg/Kg-dry	1	4/22/2022 4:26:22 PM
Dibenz(a,h)anthracene	ND	39.5		µg/Kg-dry	1	4/22/2022 4:26:22 PM
Benzo(g,h,i)perylene	ND	19.7		µg/Kg-dry	1	4/22/2022 4:26:22 PM
Surr: 2-Fluorobiphenyl	71.8	29.6 - 130		%Rec	1	4/22/2022 4:26:22 PM
Surr: Terphenyl-d14 (surr)	77.9	38 - 145		%Rec	1	4/22/2022 4:26:22 PM
Gasoline by NWTPH-Gx				Batch ID: 36172		Analyst: TN
Gasoline	ND	4.66		mg/Kg-dry	1	4/21/2022 3:53:59 AM
Surr: Toluene-d8	99.0	65 - 135		%Rec	1	4/21/2022 3:53:59 AM
Surr: 4-Bromofluorobenzene	97.3	65 - 135		%Rec	1	4/21/2022 3:53:59 AM
Total Metals by EPA Method 6020B				Batch ID: 36176		Analyst: EH
Arsenic	2.77	0.104		mg/Kg-dry	1	4/21/2022 4:07:45 PM

Analytical Report

Work Order: **2204339**
Date Reported: **4/25/2022**

Client: Aspect Consulting
Collection Date: 4/19/2022 1:40:00 PM
Project: Block 95
Lab ID: 2204339-005
Matrix: Soil
Client Sample ID: **B95-TP-21-25**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Sample Moisture (Percent Moisture)				Batch ID: R74897		Analyst: ALB
Percent Moisture	8.84	0.500		wt%	1	4/21/2022 9:31:59 AM

Date: *4/25/2022*

Work Order: 2204339
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Total Metals by EPA Method 6020B

Sample ID: **MB-36176** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/21/2022** RunNo: **74911**
Client ID: **MBLKS** Batch ID: **36176** Analysis Date: **4/21/2022** SeqNo: **1536830**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0923									

Sample ID: **LCS-36176** SampType: **LCS** Units: **mg/Kg** Prep Date: **4/21/2022** RunNo: **74911**
Client ID: **LCSS** Batch ID: **36176** Analysis Date: **4/21/2022** SeqNo: **1536831**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	35.9	0.0938	39.06	0	91.9	80	120				

Sample ID: **2204340-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **4/21/2022** RunNo: **74911**
Client ID: **BATCH** Batch ID: **36176** Analysis Date: **4/21/2022** SeqNo: **1536834**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	44.5	0.101	41.92	1.807	102	75	125				

Sample ID: **2204340-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **4/21/2022** RunNo: **74911**
Client ID: **BATCH** Batch ID: **36176** Analysis Date: **4/21/2022** SeqNo: **1536835**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	46.6	0.105	43.88	1.807	102	75	125	44.51	4.55	20	

Date: *4/25/2022*

Work Order: 2204339
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-36181** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/21/2022** RunNo: **74922**
Client ID: **MBLKS** Batch ID: **36181** Analysis Date: **4/21/2022** SeqNo: **1537368**

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	10.5		10.00		105	50	150				
Surr: o-Terphenyl	10.4		10.00		104	50	150				

Sample ID: **LCS-36181** SampType: **LCS** Units: **mg/Kg** Prep Date: **4/21/2022** RunNo: **74922**
Client ID: **LCSS** Batch ID: **36181** Analysis Date: **4/21/2022** SeqNo: **1537369**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	541	150	500.0	0	108	76.1	133				
Surr: 2-Fluorobiphenyl	11.8		10.00		118	50	150				
Surr: o-Terphenyl	13.8		10.00		138	50	150				

Sample ID: **LCSD-36181** SampType: **LCSD** Units: **mg/Kg** Prep Date: **4/21/2022** RunNo: **74922**
Client ID: **LCSS02** Batch ID: **36181** Analysis Date: **4/21/2022** SeqNo: **1537370**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	531	150	500.0	0	106	76.1	133	540.9	1.80	30	
Surr: 2-Fluorobiphenyl	11.4		10.00		114	50	150		0		
Surr: o-Terphenyl	13.8		10.00		138	50	150		0		

Sample ID: **2204339-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **4/21/2022** RunNo: **74922**
Client ID: **B95-TP-06-25** Batch ID: **36181** Analysis Date: **4/21/2022** SeqNo: **1537372**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	599	171	568.4	0	105	62.2	146				
Surr: 2-Fluorobiphenyl	12.8		11.37		112	50	150				
Surr: o-Terphenyl	15.2		11.37		133	50	150				

Date: *4/25/2022*

Work Order: 2204339
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2204339-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **4/21/2022** RunNo: **74922**
Client ID: **B95-TP-06-25** Batch ID: **36181** Analysis Date: **4/21/2022** SeqNo: **1537372**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2204339-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **4/21/2022** RunNo: **74922**
Client ID: **B95-TP-06-25** Batch ID: **36181** Analysis Date: **4/21/2022** SeqNo: **1537373**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	485	158	527.9	0	91.9	62.2	146	599.1	21.1	30	
Surr: 2-Fluorobiphenyl	10.2		10.56		96.4	50	150		0		
Surr: o-Terphenyl	12.2		10.56		115	50	150		0		

Sample ID: **2204368-003ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **4/21/2022** RunNo: **74922**
Client ID: **BATCH** Batch ID: **36181** Analysis Date: **4/22/2022** SeqNo: **1537390**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	52.3						0		30	
Heavy Oil	ND	105						0		30	
Total Petroleum Hydrocarbons	ND	157						0		30	
Surr: 2-Fluorobiphenyl	11.3		10.47		107	50	150		0		
Surr: o-Terphenyl	11.3		10.47		108	50	150		0		

Sample ID: **MB-36199** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/22/2022** RunNo: **74960**
Client ID: **MBLKS** Batch ID: **36199** Analysis Date: **4/22/2022** SeqNo: **1537973**

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	10.7		10.00		107	50	150				
Surr: o-Terphenyl	10.9		10.00		109	50	150				

Date: *4/25/2022*

Work Order: 2204339
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **LCS-36199** SampType: **LCS** Units: **mg/Kg** Prep Date: **4/22/2022** RunNo: **74960**
Client ID: **LCSS** Batch ID: **36199** Analysis Date: **4/22/2022** SeqNo: **1537974**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	443	150	500.0	0	88.5	76.1	133				
Surr: 2-Fluorobiphenyl	9.66		10.00		96.6	50	150				
Surr: o-Terphenyl	11.6		10.00		116	50	150				

Sample ID: **LCSD-36199** SampType: **LCSD** Units: **mg/Kg** Prep Date: **4/22/2022** RunNo: **74960**
Client ID: **LCSS02** Batch ID: **36199** Analysis Date: **4/22/2022** SeqNo: **1537975**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	438	150	500.0	0	87.7	76.1	133	442.6	0.985	30	
Surr: 2-Fluorobiphenyl	9.60		10.00		96.0	50	150		0		
Surr: o-Terphenyl	11.6		10.00		116	50	150		0		

Sample ID: **2204298-010AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **4/22/2022** RunNo: **74960**
Client ID: **BATCH** Batch ID: **36199** Analysis Date: **4/22/2022** SeqNo: **1537980**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	420	156	519.2	41.01	73.1	62.2	146				
Surr: 2-Fluorobiphenyl	9.13		10.38		87.9	50	150				
Surr: o-Terphenyl	11.3		10.38		109	50	150				

Sample ID: **2204298-010AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **4/22/2022** RunNo: **74960**
Client ID: **BATCH** Batch ID: **36199** Analysis Date: **4/22/2022** SeqNo: **1537981**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	395	149	495.3	41.01	71.5	62.2	146	420.3	6.14	30	
Surr: 2-Fluorobiphenyl	8.93		9.907		90.1	50	150		0		
Surr: o-Terphenyl	10.9		9.907		110	50	150		0		

Date: *4/25/2022*

Work Order: 2204339
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **MB-36174** SampType: **MBLK** Units: **µg/Kg** Prep Date: **4/20/2022** RunNo: **74942**
Client ID: **MBLKS** Batch ID: **36174** Analysis Date: **4/22/2022** SeqNo: **1537605**

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	780		1,000		78.0	29.6	130				
Surr: Terphenyl-d14 (surr)	839		1,000		83.9	38	145				

Sample ID: **LCS-36174** SampType: **LCS** Units: **µg/Kg** Prep Date: **4/20/2022** RunNo: **74942**
Client ID: **LCSS** Batch ID: **36174** Analysis Date: **4/22/2022** SeqNo: **1537606**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,780	20.0	2,000	0	88.9	60.2	119				
2-Methylnaphthalene	1,750	20.0	2,000	0	87.3	60.4	121				
1-Methylnaphthalene	1,660	20.0	2,000	0	83.1	62	119				
Acenaphthylene	1,600	20.0	2,000	0	80.2	58.5	120				
Acenaphthene	1,720	20.0	2,000	0	85.9	57.8	117				

Date: *4/25/2022*

Work Order: 2204339
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **LCS-36174** SampType: **LCS** Units: **µg/Kg** Prep Date: **4/20/2022** RunNo: **74942**
Client ID: **LCSS** Batch ID: **36174** Analysis Date: **4/22/2022** SeqNo: **1537606**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	1,820	20.0	2,000	0	90.8	60.3	122				
Phenanthrene	1,720	40.0	2,000	0	86.0	58.6	120				
Anthracene	1,710	40.0	2,000	0	85.7	58.1	122				
Fluoranthene	1,730	40.0	2,000	0	86.6	61.8	123				
Pyrene	1,760	40.0	2,000	0	87.9	59.8	122				
Benz(a)anthracene	1,740	20.0	2,000	0	87.1	62.7	123				
Chrysene	1,700	40.0	2,000	0	84.9	56.2	123				
Benzo(b)fluoranthene	1,760	20.0	2,000	0	87.8	56.6	126				
Benzo(k)fluoranthene	1,700	20.0	2,000	0	85.0	56.9	131				
Benzo(a)pyrene	1,630	20.0	2,000	0	81.7	63.8	134				
Indeno(1,2,3-cd)pyrene	1,850	40.0	2,000	0	92.3	59.3	122				
Dibenz(a,h)anthracene	1,820	40.0	2,000	0	90.9	60.4	125				
Benzo(g,h,i)perylene	1,820	20.0	2,000	0	90.8	52.7	126				
Surr: 2-Fluorobiphenyl	746		1,000		74.6	29.6	130				
Surr: Terphenyl-d14 (surr)	830		1,000		83.0	38	145				

Sample ID: **2204125-002AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **4/20/2022** RunNo: **74942**
Client ID: **BATCH** Batch ID: **36174** Analysis Date: **4/22/2022** SeqNo: **1538008**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,590	18.0	1,800	0	88.4	30.2	123				
2-Methylnaphthalene	1,560	18.0	1,800	0	86.4	40.9	115				
1-Methylnaphthalene	1,480	18.0	1,800	0	82.1	35.6	121				
Acenaphthylene	1,420	18.0	1,800	0	78.7	37.6	117				
Acenaphthene	1,530	18.0	1,800	0	84.8	35.6	115				
Fluorene	1,620	18.0	1,800	0	90.2	38.8	119				
Phenanthrene	1,540	36.0	1,800	0	85.7	32.8	120				
Anthracene	1,530	36.0	1,800	0	84.8	33.7	122				
Fluoranthene	1,550	36.0	1,800	0	86.1	37.5	124				
Pyrene	1,570	36.0	1,800	0	87.4	34	122				

Work Order: 2204339
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2204125-002AMS** SampType: **MS** Units: **µg/Kg-dry** Prep Date: **4/20/2022** RunNo: **74942**
Client ID: **BATCH** Batch ID: **36174** Analysis Date: **4/22/2022** SeqNo: **1538008**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,550	18.0	1,800	0	86.1	34.7	127				
Chrysene	1,490	36.0	1,800	0	82.9	33.4	120				
Benzo(b)fluoranthene	1,380	18.0	1,800	0	76.5	31.8	125				
Benzo(k)fluoranthene	1,670	18.0	1,800	0	92.7	30.2	129				
Benzo(a)pyrene	1,410	18.0	1,800	0	78.5	31.3	139				
Indeno(1,2,3-cd)pyrene	1,530	36.0	1,800	15.00	84.4	22.8	126				
Dibenz(a,h)anthracene	1,500	36.0	1,800	18.54	82.3	28.1	127				
Benzo(g,h,i)perylene	1,530	18.0	1,800	12.65	84.3	18.7	125				
Surr: 2-Fluorobiphenyl	652		900.2		72.4	29.6	130				
Surr: Terphenyl-d14 (surr)	718		900.2		79.8	38	145				

Sample ID: **2204125-002AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **4/20/2022** RunNo: **74942**
Client ID: **BATCH** Batch ID: **36174** Analysis Date: **4/22/2022** SeqNo: **1538009**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,660	18.9	1,890	0	88.0	30.2	123	1,591	4.43	30	
2-Methylnaphthalene	1,630	18.9	1,890	0	86.1	40.9	115	1,555	4.51	30	
1-Methylnaphthalene	1,540	18.9	1,890	0	81.6	35.6	121	1,478	4.24	30	
Acenaphthylene	1,470	18.9	1,890	0	77.9	37.6	117	1,417	3.86	30	
Acenaphthene	1,580	18.9	1,890	0	83.5	35.6	115	1,526	3.33	30	
Fluorene	1,680	18.9	1,890	0	88.9	38.8	119	1,624	3.43	30	
Phenanthrene	1,600	37.8	1,890	0	84.4	32.8	120	1,543	3.33	30	
Anthracene	1,590	37.8	1,890	0	84.2	33.7	122	1,527	4.09	30	
Fluoranthene	1,600	37.8	1,890	0	84.8	37.5	124	1,550	3.39	30	
Pyrene	1,620	37.8	1,890	0	85.8	34	122	1,573	3.07	30	
Benz(a)anthracene	1,630	18.9	1,890	0	86.1	34.7	127	1,549	4.84	30	
Chrysene	1,570	37.8	1,890	0	83.0	33.4	120	1,493	4.90	30	
Benzo(b)fluoranthene	1,550	18.9	1,890	0	82.3	31.8	125	1,378	12.1	30	
Benzo(k)fluoranthene	1,660	18.9	1,890	0	87.9	30.2	129	1,669	0.446	30	
Benzo(a)pyrene	1,500	18.9	1,890	0	79.5	31.3	139	1,414	6.07	30	

Work Order: 2204339
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: **2204125-002AMSD** SampType: **MSD** Units: **µg/Kg-dry** Prep Date: **4/20/2022** RunNo: **74942**
Client ID: **BATCH** Batch ID: **36174** Analysis Date: **4/22/2022** SeqNo: **1538009**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	1,670	37.8	1,890	15.00	87.8	22.8	126	1,534	8.78	30	
Dibenz(a,h)anthracene	1,640	37.8	1,890	18.54	85.7	28.1	127	1,501	8.74	30	
Benzo(g,h,i)perylene	1,640	18.9	1,890	12.65	85.9	18.7	125	1,530	6.71	30	
Surr: 2-Fluorobiphenyl	685		944.9		72.5	29.6	130		0		
Surr: Terphenyl-d14 (surr)	754		944.9		79.8	38	145		0		

Date: *4/25/2022*

Work Order: 2204339
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-36172** SampType: **LCS** Units: **mg/Kg** Prep Date: **4/20/2022** RunNo: **74905**
Client ID: **LCSS** Batch ID: **36172** Analysis Date: **4/21/2022** SeqNo: **1536771**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	22.5	5.00	25.00	0	89.9	65	135				
Surr: Toluene-d8	1.30		1.250		104	65	135				
Surr: 4-Bromofluorobenzene	1.36		1.250		109	65	135				

Sample ID: **MB-36172** SampType: **MBLK** Units: **mg/Kg** Prep Date: **4/20/2022** RunNo: **74905**
Client ID: **MBLKS** Batch ID: **36172** Analysis Date: **4/21/2022** SeqNo: **1536772**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.29		1.250		103	65	135				
Surr: 4-Bromofluorobenzene	1.30		1.250		104	65	135				

Sample ID: **2204125-002BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **4/20/2022** RunNo: **74905**
Client ID: **BATCH** Batch ID: **36172** Analysis Date: **4/21/2022** SeqNo: **1536753**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	6.00						0		30	
Surr: Toluene-d8	1.51		1.501		100	65	135		0		
Surr: 4-Bromofluorobenzene	1.47		1.501		98.0	65	135		0		

Sample ID: **2204281-004BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **4/20/2022** RunNo: **74905**
Client ID: **BATCH** Batch ID: **36172** Analysis Date: **4/21/2022** SeqNo: **1536764**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	2.80						0		30	
Surr: Toluene-d8	0.708		0.7011		101	65	135		0		
Surr: 4-Bromofluorobenzene	0.689		0.7011		98.3	65	135		0		

Sample Log-In Check List

Client Name:	AC	Work Order Number:	2204339
Logged by:	Brianna Barnes	Date Received:	4/20/2022 1:12:00 PM

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

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 ºC
Sample	3.6

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

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

Chain of Custody Record & Laboratory Services Agreement

Date: 4/19/22 Page: 1 of: 1

Laboratory Project No (internal): 2204339

Project Name: Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482-B-~~4.5~~ 4.2

Address:

Collected by: MEK / LG

City, State, Zip:

Location: Seattle

Telephone: (831) 588-2350

Report To (PM): Mei Lanier Kamahao

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email: mlkamahao@aspectconsulting.com

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic	HOLD	Comments
1	B95-TP-06-25	4/19/22	1210	S	3			X		X		X						X		
2	B95-TP-06-27	↓	1225	S	3														X	
3	B95-TP-06-29	↓	1230	S	3														X	
4	TB-041922	↓		W	1															
5	B95-TP-21-25	↓	1340	S	3			X		X		X						X		
6	B95-TP-21-27	↓	1345	S	3														X	
7	B95-TP-21-27	↓	1350	S	3														X	
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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Lillian Graham	4/20/22 1255	x	Elizabeth Samary	4/20/22 13:12
x			x		

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

Chain of Custody Record & Laboratory Services Agreement

Date: 4/19/22 Page: 1 of: 1

Laboratory Project No (internal): 2204339

Project Name: Block 95

Special Remarks:

Edit per MLK 4/21/2022 -BB

Client: Aspect Consulting

Project No: 200482-B-~~4.5~~ 4.2

Address:

Collected by: MLK / LG

City, State, Zip:

Location: Seattle

Telephone: (831) 588-2350

Report To (PM): Mei Lanier Kamahao

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email: mlkamahao@aspectconsulting.com

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Arsenic	HOLD	Comments
1	B95-TP-06-25	4/19/22	1210	S	3			X		X		X						X		
2	B95-TP-06-27	↓	1225	S	3														X	
3	B95-TP-06-29	↓	1230	S	3														X	
4	TB-041922	↓		W	1															
5	B95-TP-21-25	↓	1340	S	3			X		X		X						X		
6	B95-TP-21-27	↓	1345	S	3														X	
7	B95-TP-21-~~27~~ 29	↓	1350	S	3														X	
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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Lillian Graham	4/20/22 1255	x	Elizabeth Samary	4/20/22 13:12
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Block 95
Work Order Number: 2204541

May 06, 2022

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 2 sample(s) on 4/29/2022 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Sample Moisture (Percent Moisture)

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

Date: *05/06/2022*

CLIENT: Aspect Consulting
Project: Block 95
Work Order: 2204541

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2204541-001	FDA-2-7.5	04/29/2022 12:40 PM	04/29/2022 3:15 PM
2204541-002	TB-042922	04/29/2022 9:36 AM	04/29/2022 3:15 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

Case Narrative

WO#: **2204541**

Date: **5/6/2022**

CLIENT: Aspect Consulting

Project: Block 95

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

Analytical Report

Work Order: **2204541**
Date Reported: **5/6/2022**

Client: Aspect Consulting
Collection Date: 4/29/2022 12:40:00 PM
Project: Block 95
Lab ID: 2204541-001
Matrix: Soil
Client Sample ID: FDA-2-7.5

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36307		Analyst: MM
Diesel (Fuel Oil)	ND	47.1		mg/Kg-dry	1	5/4/2022 5:34:52 PM
Heavy Oil	ND	94.1		mg/Kg-dry	1	5/4/2022 5:34:52 PM
Heavy Fuel Oil	866	94.1		mg/Kg-dry	1	5/4/2022 5:34:52 PM
Total Petroleum Hydrocarbons	866	141		mg/Kg-dry	1	5/4/2022 5:34:52 PM
Surr: 2-Fluorobiphenyl	117	50 - 150		%Rec	1	5/4/2022 5:34:52 PM
Surr: o-Terphenyl	118	50 - 150		%Rec	1	5/4/2022 5:34:52 PM

NOTES:
Heavy Fuel Oil - Indicates the presence of unresolved compounds in both the Diesel and Lube+ Oil ranges.

Gasoline by NWTPH-Gx				Batch ID: 36339		Analyst: MVB
Gasoline	ND	5.30		mg/Kg-dry	1	5/5/2022 7:36:31 PM
Surr: Toluene-d8	97.7	65 - 135		%Rec	1	5/5/2022 7:36:31 PM
Surr: 4-Bromofluorobenzene	104	65 - 135		%Rec	1	5/5/2022 7:36:31 PM
Sample Moisture (Percent Moisture)				Batch ID: R75169		Analyst: AP
Percent Moisture	11.3	0.500		wt%	1	5/4/2022 10:42:46 AM

Date: *5/6/2022*

Work Order: 2204541
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **LCS-36307** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/4/2022** RunNo: **75201**
Client ID: **LCSS** Batch ID: **36307** Analysis Date: **5/4/2022** SeqNo: **1543091**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	454	150	500.0	0	90.8	76.1	133				
Surr: 2-Fluorobiphenyl	10.4		10.00		104	50	150				
Surr: o-Terphenyl	12.1		10.00		121	50	150				

Sample ID: **MB-36307** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/4/2022** RunNo: **75201**
Client ID: **MBLKS** Batch ID: **36307** Analysis Date: **5/4/2022** SeqNo: **1543092**

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	8.34		10.00		83.4	50	150				
Surr: o-Terphenyl	8.98		10.00		89.8	50	150				

Sample ID: **LCSD-36307** SampType: **LCSD** Units: **mg/Kg** Prep Date: **5/4/2022** RunNo: **75201**
Client ID: **LCSS02** Batch ID: **36307** Analysis Date: **5/4/2022** SeqNo: **1543093**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	426	150	500.0	0	85.3	76.1	133	453.8	6.22	30	
Surr: 2-Fluorobiphenyl	8.75		10.00		87.5	50	150		0		
Surr: o-Terphenyl	10.9		10.00		109	50	150		0		

Sample ID: **2204527-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/4/2022** RunNo: **75201**
Client ID: **BATCH** Batch ID: **36307** Analysis Date: **5/4/2022** SeqNo: **1543095**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	430	152	506.1	0	85.0	62.2	146				
Surr: 2-Fluorobiphenyl	8.42		10.12		83.2	50	150				
Surr: o-Terphenyl	10.8		10.12		107	50	150				

Date: *5/6/2022*

Work Order: 2204541
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2204527-001AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/4/2022** RunNo: **75201**
Client ID: **BATCH** Batch ID: **36307** Analysis Date: **5/4/2022** SeqNo: **1543095**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID: **2204527-001AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **5/4/2022** RunNo: **75201**
Client ID: **BATCH** Batch ID: **36307** Analysis Date: **5/4/2022** SeqNo: **1543096**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	485	150	501.2	0	96.8	62.2	146	430.1	12.0	30	
Surr: 2-Fluorobiphenyl	8.76		10.02		87.4	50	150		0		
Surr: o-Terphenyl	11.3		10.02		113	50	150		0		

Date: *5/6/2022*

Work Order: 2204541
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-36339** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/5/2022** RunNo: **75230**
Client ID: **LCSS** Batch ID: **36339** Analysis Date: **5/5/2022** SeqNo: **1543299**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	21.1	5.00	25.00	0	84.3	65	135				
Surr: Toluene-d8	1.25		1.250		100	65	135				
Surr: 4-Bromofluorobenzene	1.26		1.250		101	65	135				

Sample ID: **MB-36339** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/5/2022** RunNo: **75230**
Client ID: **MBLKS** Batch ID: **36339** Analysis Date: **5/5/2022** SeqNo: **1543300**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.27		1.250		102	65	135				
Surr: 4-Bromofluorobenzene	1.21		1.250		97.2	65	135				

Sample ID: **2204541-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/5/2022** RunNo: **75230**
Client ID: **FDA-2-7.5** Batch ID: **36339** Analysis Date: **5/5/2022** SeqNo: **1543278**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.30						0		30	
Surr: Toluene-d8	1.30		1.325		98.0	65	135		0		
Surr: 4-Bromofluorobenzene	1.39		1.325		105	65	135		0		

Sample ID: **2205116-003BDUP** SampType: **DUP** Units: **mg/Kg** Prep Date: **5/5/2022** RunNo: **75230**
Client ID: **BATCH** Batch ID: **36339** Analysis Date: **5/6/2022** SeqNo: **1543292**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.70						0		30	
Surr: Toluene-d8	1.41		1.425		99.3	65	135		0		
Surr: 4-Bromofluorobenzene	1.34		1.425		94.1	65	135		0		

Date: *5/6/2022*

Work Order: 2204541
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2205116-005BMS** SampType: **MS** Units: **mg/Kg** Prep Date: **5/5/2022** RunNo: **75230**
Client ID: **BATCH** Batch ID: **36339** Analysis Date: **5/6/2022** SeqNo: **1543295**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	25.3	5.54	27.70	0	91.2	65	135				
Surr: Toluene-d8	1.30		1.385		93.8	65	135				
Surr: 4-Bromofluorobenzene	1.38		1.385		100	65	135				

Sample Log-In Check List

Client Name:	AC	Work Order Number:	2204541
Logged by:	Matt Langston	Date Received:	4/29/2022 3:15:00 PM

Chain of Custody

		Yes	No	Not Present
1.	Is Chain of Custody complete?	☑	☐	☐
2.	How was the sample delivered?	Client		

Log In

		Yes	No	NA
3.	Coolers are present?	☑	☐	☐
4.	Shipping container/cooler in good condition?	☑	☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	☐	☐	Not Present ☑
6.	Was an attempt made to cool the samples?	☑	☐	☐
7.	Were all items received at a temperature of >2°C to 6°C *	☑	☐	☐
8.	Sample(s) in proper container(s)?	☑	☐	
9.	Sufficient sample volume for indicated test(s)?	☑	☐	
10.	Are samples properly preserved?	☑	☐	
11.	Was preservative added to bottles?	☐	☑	☐
12.	Is there headspace in the VOA vials?	☐	☐	☑
13.	Did all samples containers arrive in good condition(unbroken)?	☑	☐	
14.	Does paperwork match bottle labels?	☑	☐	
15.	Are matrices correctly identified on Chain of Custody?	☑	☐	
16.	Is it clear what analyses were requested?	☑	☐	
17.	Were all holding times able to be met?	☑	☐	

Special Handling (if applicable)

		Yes	No	NA
18.	Was client notified of all discrepancies with this order?	☐	☐	☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample	4.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

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

Chain of Custody Record & Laboratory Services Agreement

Date: 4/29/22 Page: 1 of: 1

Laboratory Project No (internal): 2204541

Special Remarks:

Project Name: Block 95

Client: Aspect Consulting

Project No: 200482-B-4.5

Address:

Collected by: MLK

City, State, Zip:

Location:

Telephone: (831) 588-2350 (Mei)

Report To (PM): Mei Lanier-Kamaha'o

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email: MLKamaha'o@aspectconsulting.com

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Comments
1	FDA-2-7.5	4/29/22	1240	S	3			X		X												by NWTPH
2	TB-042922	↓	—	W	1																	
3																						
4																						
5																						
6																						
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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x Melani Lanier Kamaha'o	Melani Lanier Kamaha'o	4/29/22 1432	[signature]	Sean Brallaway	4/29/22 2:30pm
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x [signature]	Elizabeth Sawyer	4/29/22 15:15

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Swedish - Block 95
Work Order Number: 2205307

May 17, 2022

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 6 sample(s) on 5/16/2022 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Sample Moisture (Percent Moisture)

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

Date: *05/17/2022*

CLIENT: Aspect Consulting
Project: Swedish - Block 95
Work Order: 2205307

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2205307-001	B95-N22-W25-14	05/16/2022 8:55 AM	05/16/2022 1:23 PM
2205307-002	B95-N21-W25-13	05/16/2022 9:05 AM	05/16/2022 1:23 PM
2205307-003	B95-N24-W25-13	05/16/2022 9:10 AM	05/16/2022 1:23 PM
2205307-004	B95-N22-W24-13	05/16/2022 9:15 AM	05/16/2022 1:23 PM
2205307-005	B95-N22-W26-13	05/16/2022 9:20 AM	05/16/2022 1:23 PM
2205307-006	Trip Blank	04/29/2022 9:36 AM	05/16/2022 1:23 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2205307**

Date: **5/17/2022**

CLIENT: Aspect Consulting

Project: Swedish - Block 95

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

Analytical Report

Work Order: **2205307**
Date Reported: **5/17/2022**

Client: Aspect Consulting
Collection Date: 5/16/2022 8:55:00 AM
Project: Swedish - Block 95
Lab ID: 2205307-001
Matrix: Soil
Client Sample ID: B95-N22-W25-14

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36460		Analyst: MM
Diesel (Fuel Oil)	ND	51.8		mg/Kg-dry	1	5/17/2022 12:49:16 PM
Heavy Oil	ND	104		mg/Kg-dry	1	5/17/2022 12:49:16 PM
Total Petroleum Hydrocarbons	ND	155		mg/Kg-dry	1	5/17/2022 12:49:16 PM
Surr: 2-Fluorobiphenyl	73.7	50 - 150		%Rec	1	5/17/2022 12:49:16 PM
Surr: o-Terphenyl	75.6	50 - 150		%Rec	1	5/17/2022 12:49:16 PM
Gasoline by NWTPH-Gx				Batch ID: 36456		Analyst: MVB
Gasoline	ND	5.56		mg/Kg-dry	1	5/17/2022 1:30:04 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/17/2022 1:30:04 AM
Surr: 4-Bromofluorobenzene	99.2	65 - 135		%Rec	1	5/17/2022 1:30:04 AM
Sample Moisture (Percent Moisture)				Batch ID: R75453		Analyst: ALB
Percent Moisture	5.52	0.500		wt%	1	5/17/2022 10:48:34 AM

Analytical Report

Work Order: **2205307**
Date Reported: **5/17/2022**

Client: Aspect Consulting
Collection Date: 5/16/2022 9:05:00 AM
Project: Swedish - Block 95
Lab ID: 2205307-002
Matrix: Soil
Client Sample ID: B95-N21-W25-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36460		Analyst: MM
Diesel (Fuel Oil)	ND	52.6		mg/Kg-dry	1	5/17/2022 1:00:15 PM
Heavy Oil	ND	105		mg/Kg-dry	1	5/17/2022 1:00:15 PM
Total Petroleum Hydrocarbons	ND	158		mg/Kg-dry	1	5/17/2022 1:00:15 PM
Surr: 2-Fluorobiphenyl	68.2	50 - 150		%Rec	1	5/17/2022 1:00:15 PM
Surr: o-Terphenyl	76.4	50 - 150		%Rec	1	5/17/2022 1:00:15 PM
Gasoline by NWTPH-Gx				Batch ID: 36456		Analyst: MVB
Gasoline	ND	5.47		mg/Kg-dry	1	5/17/2022 2:00:35 AM
Surr: Toluene-d8	103	65 - 135		%Rec	1	5/17/2022 2:00:35 AM
Surr: 4-Bromofluorobenzene	102	65 - 135		%Rec	1	5/17/2022 2:00:35 AM
Sample Moisture (Percent Moisture)				Batch ID: R75453		Analyst: ALB
Percent Moisture	10.3	0.500		wt%	1	5/17/2022 10:48:34 AM

Analytical Report

Work Order: **2205307**
Date Reported: **5/17/2022**

Client: Aspect Consulting
Collection Date: 5/16/2022 9:10:00 AM
Project: Swedish - Block 95
Lab ID: 2205307-003
Matrix: Soil
Client Sample ID: B95-N24-W25-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36460		Analyst: MM
Diesel (Fuel Oil)	ND	44.8		mg/Kg-dry	1	5/17/2022 1:11:23 PM
Heavy Oil	ND	89.5		mg/Kg-dry	1	5/17/2022 1:11:23 PM
Total Petroleum Hydrocarbons	ND	134		mg/Kg-dry	1	5/17/2022 1:11:23 PM
Surr: 2-Fluorobiphenyl	75.9	50 - 150		%Rec	1	5/17/2022 1:11:23 PM
Surr: o-Terphenyl	77.9	50 - 150		%Rec	1	5/17/2022 1:11:23 PM
Gasoline by NWTPH-Gx				Batch ID: 36456		Analyst: MVB
Gasoline	ND	5.74		mg/Kg-dry	1	5/17/2022 2:31:10 AM
Surr: Toluene-d8	104	65 - 135		%Rec	1	5/17/2022 2:31:10 AM
Surr: 4-Bromofluorobenzene	100	65 - 135		%Rec	1	5/17/2022 2:31:10 AM
Sample Moisture (Percent Moisture)				Batch ID: R75453		Analyst: ALB
Percent Moisture	4.75	0.500		wt%	1	5/17/2022 10:48:34 AM

Analytical Report

Work Order: **2205307**
Date Reported: **5/17/2022**

Client: Aspect Consulting
Collection Date: 5/16/2022 9:15:00 AM
Project: Swedish - Block 95
Lab ID: 2205307-004
Matrix: Soil
Client Sample ID: B95-N22-W24-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36460		Analyst: MM
Diesel (Fuel Oil)	ND	52.8		mg/Kg-dry	1	5/17/2022 1:22:23 PM
Heavy Oil	ND	106		mg/Kg-dry	1	5/17/2022 1:22:23 PM
Total Petroleum Hydrocarbons	ND	158		mg/Kg-dry	1	5/17/2022 1:22:23 PM
Surr: 2-Fluorobiphenyl	77.9	50 - 150		%Rec	1	5/17/2022 1:22:23 PM
Surr: o-Terphenyl	80.3	50 - 150		%Rec	1	5/17/2022 1:22:23 PM
Gasoline by NWTPH-Gx				Batch ID: 36456		Analyst: MVB
Gasoline	ND	6.39		mg/Kg-dry	1	5/17/2022 3:01:38 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/17/2022 3:01:38 AM
Surr: 4-Bromofluorobenzene	97.6	65 - 135		%Rec	1	5/17/2022 3:01:38 AM
Sample Moisture (Percent Moisture)				Batch ID: R75453		Analyst: ALB
Percent Moisture	6.18	0.500		wt%	1	5/17/2022 10:48:34 AM

Analytical Report

Work Order: **2205307**
Date Reported: **5/17/2022**

Client: Aspect Consulting
Collection Date: 5/16/2022 9:20:00 AM
Project: Swedish - Block 95
Lab ID: 2205307-005
Matrix: Soil
Client Sample ID: B95-N22-W26-13

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36460		Analyst: MM
Diesel (Fuel Oil)	ND	52.1		mg/Kg-dry	1	5/17/2022 1:33:20 PM
Heavy Oil	ND	104		mg/Kg-dry	1	5/17/2022 1:33:20 PM
Total Petroleum Hydrocarbons	ND	156		mg/Kg-dry	1	5/17/2022 1:33:20 PM
Surr: 2-Fluorobiphenyl	72.4	50 - 150		%Rec	1	5/17/2022 1:33:20 PM
Surr: o-Terphenyl	76.5	50 - 150		%Rec	1	5/17/2022 1:33:20 PM
Gasoline by NWTPH-Gx				Batch ID: 36456		Analyst: MVB
Gasoline	ND	6.44		mg/Kg-dry	1	5/17/2022 3:32:09 AM
Surr: Toluene-d8	102	65 - 135		%Rec	1	5/17/2022 3:32:09 AM
Surr: 4-Bromofluorobenzene	97.5	65 - 135		%Rec	1	5/17/2022 3:32:09 AM
Sample Moisture (Percent Moisture)				Batch ID: R75453		Analyst: ALB
Percent Moisture	10.1	0.500		wt%	1	5/17/2022 10:48:34 AM

Date: *5/17/2022*

Work Order: 2205307
CLIENT: Aspect Consulting
Project: Swedish - Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-36460** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/16/2022** RunNo: **75445**
Client ID: **MBLKS** Batch ID: **36460** Analysis Date: **5/17/2022** SeqNo: **1548633**

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	7.86		10.00		78.6	50	150				
Surr: o-Terphenyl	8.11		10.00		81.1	50	150				

Sample ID: **LCS-36460** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/16/2022** RunNo: **75445**
Client ID: **LCSS** Batch ID: **36460** Analysis Date: **5/17/2022** SeqNo: **1548634**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	462	150	500.0	0	92.5	76.1	133				
Surr: 2-Fluorobiphenyl	6.77		10.00		67.7	50	150				
Surr: o-Terphenyl	9.17		10.00		91.7	50	150				

Sample ID: **2205143-002AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/16/2022** RunNo: **75445**
Client ID: **BATCH** Batch ID: **36460** Analysis Date: **5/17/2022** SeqNo: **1548636**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	560	185	616.5	0	90.8	62.2	146				
Surr: 2-Fluorobiphenyl	8.27		12.33		67.1	50	150				
Surr: o-Terphenyl	10.4		12.33		84.5	50	150				

Sample ID: **2205143-002AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **5/16/2022** RunNo: **75445**
Client ID: **BATCH** Batch ID: **36460** Analysis Date: **5/17/2022** SeqNo: **1548637**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	533	175	582.3	0	91.5	62.2	146	559.7	4.94	30	
Surr: 2-Fluorobiphenyl	8.30		11.65		71.3	50	150		0		
Surr: o-Terphenyl	9.82		11.65		84.3	50	150		0		

Date: *5/17/2022*

Work Order: 2205307
CLIENT: Aspect Consulting
Project: Swedish - Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2205143-002AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **5/16/2022** RunNo: **75445**

Client ID: **BATCH** Batch ID: **36460** Analysis Date: **5/17/2022** SeqNo: **1548637**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Date: *5/17/2022*

Work Order: 2205307
CLIENT: Aspect Consulting
Project: Swedish - Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **LCS-36456** SampType: **LCS** Units: **mg/Kg** Prep Date: **5/16/2022** RunNo: **75448**
Client ID: **LCSS** Batch ID: **36456** Analysis Date: **5/16/2022** SeqNo: **1548193**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	21.4	5.00	25.00	0	85.6	65	135				
Surr: Toluene-d8	1.27		1.250		102	65	135				
Surr: 4-Bromofluorobenzene	1.35		1.250		108	65	135				

Sample ID: **MB-36456** SampType: **MBLK** Units: **mg/Kg** Prep Date: **5/16/2022** RunNo: **75448**
Client ID: **MBLKS** Batch ID: **36456** Analysis Date: **5/16/2022** SeqNo: **1548194**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.00									
Surr: Toluene-d8	1.32		1.250		106	65	135				
Surr: 4-Bromofluorobenzene	1.33		1.250		106	65	135				

Sample ID: **2205143-002BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/16/2022** RunNo: **75448**
Client ID: **BATCH** Batch ID: **36456** Analysis Date: **5/16/2022** SeqNo: **1548170**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	6.19						0		30	
Surr: Toluene-d8	1.60		1.547		103	65	135		0		
Surr: 4-Bromofluorobenzene	1.61		1.547		104	65	135		0		

Sample ID: **2205233-005BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **5/16/2022** RunNo: **75448**
Client ID: **BATCH** Batch ID: **36456** Analysis Date: **5/16/2022** SeqNo: **1548172**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	8.85						0		30	
Surr: Toluene-d8	2.26		2.213		102	65	135		0		
Surr: 4-Bromofluorobenzene	2.24		2.213		101	65	135		0		

Date: *5/17/2022*

Work Order: 2205307
CLIENT: Aspect Consulting
Project: Swedish - Block 95

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **2205240-009BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **5/16/2022** RunNo: **75448**
Client ID: **BATCH** Batch ID: **36456** Analysis Date: **5/17/2022** SeqNo: **1548184**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	21.1	4.82	24.10	0	87.5	65	135				
Surr: Toluene-d8	1.21		1.205		101	65	135				
Surr: 4-Bromofluorobenzene	1.29		1.205		107	65	135				

Sample Log-In Check List

Client Name:	AC	Work Order Number:	2205307
Logged by:	Clare Griggs	Date Received:	5/16/2022 1:23:00 PM

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

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:	Lillian Graham	Date:	5/16/2022
By Whom:	Clare Griggs	Via:	☑ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:	Confirming COC.		
Client Instructions:	See revised OCC.		

19. Additional remarks:

Item Information

Item #	Temp ºC
Sample	3.2

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

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

Date: 5/16/22 Page: 1 of: 1

Laboratory Project No (internal): 2205307

Project Name: Swedish - Block 95

Special Remarks:

Client: Aspect Consulting

Project No: 200482 - B - 04.05

Address:

Collected by: Lillian Graham

City, State, Zip:

Location:

Telephone: 206-413-5408

Report To (PM): Meilani Lanier-Kamaha'o

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email: MlKamahao@aspect consulting.com

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)					Comments
1	B95-N22-W25-14	5/16/22	0855	S	3			X		X											
2	B95-N21-W25-13	↓	0905	↓	↓																
3	B95-N24-W25-13	↓	0910	↓	↓																
4	B95-N22-W24-13	↓	0915	↓	↓																
5	B95-N22-W26-13	↓	0920	↓	↓																
6																					
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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Lillian Graham	5/16/22 1320	x Alex Trejo	Alex Trejo	5/16/22 13:23
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

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

Chain of Custody Record & Laboratory Services Agreement

Date: 5/16/22 Page: 1 of: 1

Laboratory Project No (internal): 2205307

Project Name: Swedish - Block 95

Special Remarks: run all samples per LG 5/16/22 -cg

Client: Aspect Consulting

Project No: 200482 - B - 04.05

Address:

Collected by: Lillian Graham

City, State, Zip:

Location:

Telephone: 206-413-5408

Report To (PM): Meilani Lanier-Kamaha'o

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Fax:

PM Email: MlKamahao@aspect consulting.com

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	B95-N22-W25-14	5/16/22	0855	S	3			X		X							
2	B95-N21-W25-13	↓	0905	↓	↓			↓		↓							
3	B95-N24-W25-13	↓	0910	↓	↓			↓		↓							
4	B95-N22-W24-13	↓	0915	↓	↓			↓		↓							
5	B95-N22-W26-13	↓	0920	↓	↓			↓		↓							
6																	
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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Lillian Graham	5/16/22 1320	x Alex Trejo	Alex Trejo	5/16/22 13:23
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Aspect Consulting
Meilani Lanier-Kamaha'o
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: Block 95
Work Order Number: 2206017

June 07, 2022

Attention Meilani Lanier-Kamaha'o:

Fremont Analytical, Inc. received 8 sample(s) on 6/1/2022 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Sample Moisture (Percent Moisture)

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

CC:
Jessica Smith

Date: *06/07/2022*

CLIENT: Aspect Consulting
Project: Block 95
Work Order: 2206017

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2206017-001	B95-N5-W1.5-15.5	06/01/2022 12:23 PM	06/01/2022 4:54 PM
2206017-001	B95-N5-W1.5-15.5	06/01/2022 12:23 PM	06/01/2022 4:54 PM
2206017-002	B95-N5-W1.5-16	06/01/2022 12:25 PM	06/01/2022 4:54 PM
2206017-003	B95-N4-W1.5-16	06/01/2022 12:41 PM	06/01/2022 4:54 PM
2206017-004	B95-N5-W2.5-15	06/01/2022 1:10 PM	06/01/2022 4:54 PM
2206017-005	B95-N4-W1-15	06/01/2022 1:12 PM	06/01/2022 4:54 PM
2206017-006	B95-N6-W1.5-15	06/01/2022 1:14 PM	06/01/2022 4:54 PM
2206017-007	B95-N4-W1.5-15	06/01/2022 1:21 PM	06/01/2022 4:54 PM
2206017-008	Trip Blank	06/01/2022 12:00 AM	06/01/2022 12:00 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2206017**

Date: **6/7/2022**

CLIENT: Aspect Consulting

Project: Block 95

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.

6/7/2022: Revision 1 includes additional analysis requested by client.

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

Analytical Report

Work Order: **2206017**
Date Reported: **6/7/2022**

CLIENT: Aspect Consulting
Project: Block 95

Lab ID: 2206017-001 **Collection Date:** 6/1/2022 12:23:00 PM
Client Sample ID: **B95-N5-W1.5-15.5** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36670		Analyst: IH
Diesel (Fuel Oil)	442	61.3		mg/Kg-dry	1	6/2/2022 2:41:16 PM
Heavy Oil	179	123		mg/Kg-dry	1	6/2/2022 2:41:16 PM
Total Petroleum Hydrocarbons	621	184		mg/Kg-dry	1	6/2/2022 2:41:16 PM
Surr: 2-Fluorobiphenyl	96.5	50 - 150		%Rec	1	6/2/2022 2:41:16 PM
Surr: o-Terphenyl	106	50 - 150		%Rec	1	6/2/2022 2:41:16 PM
Sample Moisture (Percent Moisture)				Batch ID: R75836		Analyst: AK
Percent Moisture	19.6	0.500		wt%	1	6/2/2022 10:14:41 AM

Lab ID: 2206017-002 **Collection Date:** 6/1/2022 12:25:00 PM
Client Sample ID: **B95-N5-W1.5-16** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36713		Analyst: MM
Diesel (Fuel Oil)	ND	57.6		mg/Kg-dry	1	6/7/2022 11:16:49 AM
Heavy Oil	ND	115		mg/Kg-dry	1	6/7/2022 11:16:49 AM
Total Petroleum Hydrocarbons	ND	173		mg/Kg-dry	1	6/7/2022 11:16:49 AM
Surr: 2-Fluorobiphenyl	76.6	50 - 150		%Rec	1	6/7/2022 11:16:49 AM
Surr: o-Terphenyl	80.3	50 - 150		%Rec	1	6/7/2022 11:16:49 AM
Sample Moisture (Percent Moisture)				Batch ID: R75938		Analyst: me
Percent Moisture	18.9	0.500		wt%	1	6/7/2022 9:55:59 AM

Analytical Report

Work Order: **2206017**
Date Reported: **6/7/2022**

CLIENT: Aspect Consulting
Project: Block 95

Lab ID: 2206017-003 **Collection Date:** 6/1/2022 12:41:00 PM
Client Sample ID: **B95-N4-W1.5-16** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36670		Analyst: IH
Diesel (Fuel Oil)	ND	55.8		mg/Kg-dry	1	6/2/2022 1:12:55 PM
Heavy Oil	ND	112		mg/Kg-dry	1	6/2/2022 1:12:55 PM
Total Petroleum Hydrocarbons	ND	167		mg/Kg-dry	1	6/2/2022 1:12:55 PM
Surr: 2-Fluorobiphenyl	78.1	50 - 150		%Rec	1	6/2/2022 1:12:55 PM
Surr: o-Terphenyl	89.7	50 - 150		%Rec	1	6/2/2022 1:12:55 PM
Sample Moisture (Percent Moisture)				Batch ID: R75836		Analyst: AK
Percent Moisture	20.5	0.500		wt%	1	6/2/2022 10:14:41 AM

Lab ID: 2206017-004 **Collection Date:** 6/1/2022 1:10:00 PM
Client Sample ID: **B95-N5-W2.5-15** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36670		Analyst: IH
Diesel (Fuel Oil)	ND	58.1		mg/Kg-dry	1	6/2/2022 1:24:04 PM
Heavy Oil	ND	116		mg/Kg-dry	1	6/2/2022 1:24:04 PM
Total Petroleum Hydrocarbons	ND	174		mg/Kg-dry	1	6/2/2022 1:24:04 PM
Surr: 2-Fluorobiphenyl	74.7	50 - 150		%Rec	1	6/2/2022 1:24:04 PM
Surr: o-Terphenyl	85.9	50 - 150		%Rec	1	6/2/2022 1:24:04 PM
Sample Moisture (Percent Moisture)				Batch ID: R75836		Analyst: AK
Percent Moisture	14.9	0.500		wt%	1	6/2/2022 10:14:41 AM

Analytical Report

Work Order: **2206017**
Date Reported: **6/7/2022**

CLIENT: Aspect Consulting
Project: Block 95

Lab ID: 2206017-005 **Collection Date:** 6/1/2022 1:12:00 PM
Client Sample ID: **B95-N4-W1-15** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36670		Analyst: IH
Diesel (Fuel Oil)	ND	52.7		mg/Kg-dry	1	6/2/2022 1:35:06 PM
Heavy Oil	ND	105		mg/Kg-dry	1	6/2/2022 1:35:06 PM
Total Petroleum Hydrocarbons	ND	158		mg/Kg-dry	1	6/2/2022 1:35:06 PM
Surr: 2-Fluorobiphenyl	68.5	50 - 150		%Rec	1	6/2/2022 1:35:06 PM
Surr: o-Terphenyl	82.5	50 - 150		%Rec	1	6/2/2022 1:35:06 PM
Sample Moisture (Percent Moisture)				Batch ID: R75836		Analyst: AK
Percent Moisture	18.2	0.500		wt%	1	6/2/2022 10:14:41 AM

Lab ID: 2206017-006 **Collection Date:** 6/1/2022 1:14:00 PM
Client Sample ID: **B95-N6-W1.5-15** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36670		Analyst: IH
Diesel (Fuel Oil)	ND	59.1		mg/Kg-dry	1	6/2/2022 1:46:08 PM
Heavy Oil	ND	118		mg/Kg-dry	1	6/2/2022 1:46:08 PM
Total Petroleum Hydrocarbons	ND	177		mg/Kg-dry	1	6/2/2022 1:46:08 PM
Surr: 2-Fluorobiphenyl	75.9	50 - 150		%Rec	1	6/2/2022 1:46:08 PM
Surr: o-Terphenyl	86.7	50 - 150		%Rec	1	6/2/2022 1:46:08 PM
Sample Moisture (Percent Moisture)				Batch ID: R75836		Analyst: AK
Percent Moisture	19.6	0.500		wt%	1	6/2/2022 10:14:41 AM

Analytical Report

Work Order: **2206017**
Date Reported: **6/7/2022**

CLIENT: Aspect Consulting
Project: Block 95

Lab ID: 2206017-007
Client Sample ID: **B95-N4-W1.5-15**
Collection Date: 6/1/2022 1:21:00 PM
Matrix: Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 36670		Analyst: IH
Diesel (Fuel Oil)	ND	50.8		mg/Kg-dry	1	6/2/2022 2:08:11 PM
Heavy Oil	ND	102		mg/Kg-dry	1	6/2/2022 2:08:11 PM
Total Petroleum Hydrocarbons	ND	152		mg/Kg-dry	1	6/2/2022 2:08:11 PM
Surr: 2-Fluorobiphenyl	71.5	50 - 150		%Rec	1	6/2/2022 2:08:11 PM
Surr: o-Terphenyl	86.2	50 - 150		%Rec	1	6/2/2022 2:08:11 PM
Sample Moisture (Percent Moisture)				Batch ID: R75836		Analyst: AK
Percent Moisture	8.94	0.500		wt%	1	6/2/2022 10:14:41 AM

Work Order: 2206017
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-36670** SampType: **MBLK** Units: **mg/Kg** Prep Date: **6/2/2022** RunNo: **75880**
Client ID: **MBLKS** Batch ID: **36670** Analysis Date: **6/2/2022** SeqNo: **1556300**

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	9.45		10.00		94.5	50	150				
Surr: o-Terphenyl	10.1		10.00		101	50	150				

Sample ID: **LCS-36670** SampType: **LCS** Units: **mg/Kg** Prep Date: **6/2/2022** RunNo: **75880**
Client ID: **LCSS** Batch ID: **36670** Analysis Date: **6/2/2022** SeqNo: **1556301**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	508	150	500.0	0	102	76.1	133				
Surr: 2-Fluorobiphenyl	8.54		10.00		85.4	50	150				
Surr: o-Terphenyl	11.2		10.00		112	50	150				

Sample ID: **2206017-006ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **6/2/2022** RunNo: **75880**
Client ID: **B95-N6-W1.5-15** Batch ID: **36670** Analysis Date: **6/2/2022** SeqNo: **1556306**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	52.8						0		30	
Heavy Oil	ND	106						0		30	
Total Petroleum Hydrocarbons	ND	159						0		30	
Surr: 2-Fluorobiphenyl	7.89		10.57		74.7	50	150		0		
Surr: o-Terphenyl	9.59		10.57		90.8	50	150		0		

Sample ID: **2206017-007AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **6/2/2022** RunNo: **75880**
Client ID: **B95-N4-W1.5-15** Batch ID: **36670** Analysis Date: **6/2/2022** SeqNo: **1556308**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	462	151	503.7	0	91.8	62.2	146				

Work Order: 2206017
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2206017-007AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **6/2/2022** RunNo: **75880**
Client ID: **B95-N4-W1.5-15** Batch ID: **36670** Analysis Date: **6/2/2022** SeqNo: **1556308**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	7.50		10.07		74.4	50	150				
Surr: o-Terphenyl	9.96		10.07		98.9	50	150				

Sample ID: **2206017-007AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **6/2/2022** RunNo: **75880**
Client ID: **B95-N4-W1.5-15** Batch ID: **36670** Analysis Date: **6/2/2022** SeqNo: **1556309**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	488	158	526.9	0	92.7	62.2	146	462.5	5.41	30	
Surr: 2-Fluorobiphenyl	8.42		10.54		79.9	50	150		0		
Surr: o-Terphenyl	10.7		10.54		102	50	150		0		

Sample ID: **MB-36713** SampType: **MBLK** Units: **mg/Kg** Prep Date: **6/6/2022** RunNo: **75950**
Client ID: **MBLKS** Batch ID: **36713** Analysis Date: **6/7/2022** SeqNo: **1557675**

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	7.85		10.00		78.5	50	150				
Surr: o-Terphenyl	8.10		10.00		81.0	50	150				

Sample ID: **LCS-36713** SampType: **LCS** Units: **mg/Kg** Prep Date: **6/6/2022** RunNo: **75950**
Client ID: **LCSS** Batch ID: **36713** Analysis Date: **6/7/2022** SeqNo: **1557676**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	484	150	500.0	0	96.8	76.1	133				
Surr: 2-Fluorobiphenyl	8.59		10.00		85.9	50	150				
Surr: o-Terphenyl	9.90		10.00		99.0	50	150				

Date: *6/7/2022*

Work Order: 2206017
CLIENT: Aspect Consulting
Project: Block 95

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2206094-003AMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **6/6/2022** RunNo: **75950**
Client ID: **BATCH** Batch ID: **36713** Analysis Date: **6/7/2022** SeqNo: **1557681**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	2,750	148	491.8	2,638	23.1	62.2	146				S
Surr: 2-Fluorobiphenyl	5.91		9.836		60.1	50	150				
Surr: o-Terphenyl	9.13		9.836		92.8	50	150				

NOTES:
S - Spiked amount was low relative to sample concentration. Outlying spike recoveries may be expected.

Sample ID: **2206094-003AMSD** SampType: **MSD** Units: **mg/Kg-dry** Prep Date: **6/6/2022** RunNo: **75950**
Client ID: **BATCH** Batch ID: **36713** Analysis Date: **6/7/2022** SeqNo: **1557682**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	3,240	155	515.2	2,638	117	62.2	146	2,751	16.2	30	
Surr: 2-Fluorobiphenyl	10.8		10.30		105	50	150		0		
Surr: o-Terphenyl	10.3		10.30		99.6	50	150		0		

Sample ID: **2206094-005ADUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **6/6/2022** RunNo: **75950**
Client ID: **BATCH** Batch ID: **36713** Analysis Date: **6/7/2022** SeqNo: **1557685**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	2,300	54.0						2,232	2.90	30	
Heavy Oil	ND	108						0		30	
Total Petroleum Hydrocarbons	2,300	162						2,232	2.90	30	
Surr: 2-Fluorobiphenyl	7.66		10.80		70.9	50	150		0		
Surr: o-Terphenyl	9.41		10.80		87.1	50	150		0		

Sample Log-In Check List

Client Name:	AC	Work Order Number:	2206017
Logged by:	Elisabeth Samoray	Date Received:	6/1/2022 4:54:00 PM

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

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 ºC
Sample 1	5.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record & Laboratory Services Agreement

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

Date: 6·01·2022 | Page: 1 of: 1 | Laboratory Project No (internal): 2206017

Project Name: Block 95

Project No: 200482-B-5.4

Collected by: Kendra / Lillian

Location: 1101 Columbia Street, Seattle

Report To (PM): Mei, Jess, Kendra

PM Email: mkamahao@aspectconsulting.com; jsmith@aspectconsulting.com, kpiroffiward@aspectconsulting.com

Special Remarks: ~~Ho~~ May run for additional analytes

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

Client: Aspect

Address: 710 2nd Ave, Ste 550

City, State, Zip: Seattle, WA 98104

Telephone: 206·413·5408 (Mei)

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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	B95 - N5-W1.5-15.5	6·01·22	1223	soil	3					X								Soil may contain product/oil
2	B95 - N~~4~~5-W1.5-16		1225							X								HOLD
3	B95 - N4-W1.5-16		1241							X								
4	B95 - N5-W2.5-15		1310							X								
5	B95 - N4-W1-15		1312							X								
6	B95 - N6-W1.5-15		1314							X								
7	B95 - N4-W1.5-15		1321							X								
8																		
9																		
10																		

01 JUN 2022

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Lillian Graham	6/1/22 1650	x	Ariana Kraft	6/1/22 16:54
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

Chain of Custody Record & Laboratory Services Agreement

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

Date: 6·01·2022 Page: 1 of: 1

Laboratory Project No (internal): 2206017

Project Name: Block 95

Project No: 200482-B-5.4

Collected by: Kendra / Lillian

Location: 1101 Columbia Street, Seattle

Report To (PM): Mei, Jess, Kendra

PM Email: mkamahao@aspectconsulting.com; jsmith@aspectconsulting.com, kpiroffiward@aspectconsulting.com

Special Remarks: ~~Hr~~ May run for additional analytes

sample taken off hold - ES 6/6/22

Client: Aspect

Address: 710 2nd Ave, Ste 550

City, State, Zip: Seattle, WA 98104

Telephone: 206·413·5408 (Mei)

Fax:

Sample Disposal: ☐ Return to client ☐ Disposal by lab (after 30 days)

	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 (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8) Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
1	B95 - N5-W1.5-15.5	6·01·22	1223	soil	3					X							Soil may contain product/oil
2	B95 - ~~N4~~ N5-W1.5-16		1225							~~X~~							~~HOLD~~
3	B95 - N4-W1.5-16		1241							X							
4	B95 - N5-W2.5-15		1310							X							
5	B95 - N4-W1-15		1312							X							
6	B95 - N6-W1.5-15		1314							X							
7	B95 - N4-W1.5-15		1321							X							
8																	
9																	
10																	

01 JUN 2022

*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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x	Lillian Graham	6/1/22 1650	x	Ariana Kraft	6/1/22 16:54
Relinquished (Signature)	Print Name	Date/Time	Received (Signature)	Print Name	Date/Time
x			x		

APPENDIX C

Terrestrial Ecological Evaluation

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: Swedish Block 95 Site	
Facility/Site Address: 1101 Columbia Street, Seattle, WA 98104	
Facility/Site No:	VCP Project No.:

Step 2: IDENTIFY EVALUATOR			
Please identify below the person who conducted the evaluation and their contact information.			
Name: Ali Cochrane			Title: Senior Geologist
Organization: Aspect Consulting, LLC			
Mailing address: 710 2nd Ave Suite 550			
City: Seattle		State: WA	Zip code: 98104
Phone: 206-838-6594	Fax:	E-mail: ali.cochrane@aspectconsulting.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.

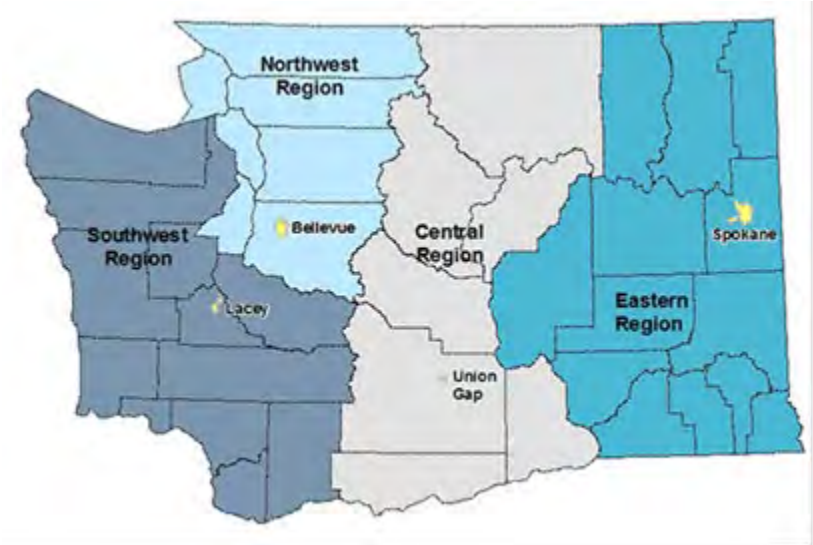
5. Have you already obtained Ecology's approval of both your problem formulation and problem resolution steps?

☐ 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 160th 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

Demolition Debris Disposal Summary

D. Demolition Debris Disposal Summary

As discussed in the Remedial Action Report, structures at the Subject Property were demolished to the foundation slab prior to April 2021 during pre-construction property preparation phase of the redevelopment project. Because mass excavation was planned for March 2022 (11 months later), the basement areas at the Subject Property were temporarily backfilled with demolition debris up to street grades for safety reasons. The temporary demolition debris backfill was generally separated from underlying soil by the concrete basement vertical walls and horizontal floor slab. Aspect provided disposal support for the demolition debris backfill just prior to the start of mass excavation and cleanup that began in March 2022, including characterization sampling of the demolition debris backfill and coordination with disposal facilities. This appendix provides a summary of the characterization and disposal activities specifically pertaining to the temporary demolition debris backfill.

D.1. Pre-Disposal Characterization

Between April 2021 and March 2022, Aspect collected pre-disposal characterization samples of the temporary demolition debris backfill to inform on disposal options. Soil sampling was conducted concurrently with the pre-cleanup Site characterization drilling and field program described in Section 3.2 of the report, with at least one sample collected from 18 of the soil borings (see Table D-1). Demolition debris backfill was placed at the Subject Property ranging in thickness from 2.5 to 13 feet thick. It was observed to consist of a mixture of crushed building debris mixed with soil—dark red to red/brown sandy silt with gravel with concrete, rubble, and bricks, with occasional areas exhibiting a petroleum-like odor. This demolition debris overlayed the 10-inch-thick concrete foundation slab of the original building, which was observed in most borings situated approximately at elevation 340 feet NAVD88.

A total of 21 samples of demolition debris were submitted to Friedman & Bruya, Inc. of Seattle, Washington for the one or more of the following:

- Gasoline-, diesel-, and oil-range petroleum hydrocarbons using Northwest Methods NWTPH-Gx and NWTPH-Dx
- Resource and Recovery Act (RCRA) 8 metals, including arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver, using Environmental Protection Agency (EPA) Method 200.8
- Polycyclic aromatic hydrocarbons (PAHs) using EPA Method 8270
- Volatile organic compounds (VOCs) using EPA Method 8260

Results showed arsenic detected at concentrations exceeding the MTCA Method A cleanup levels in 10 of the 21 samples tested, ranging up to 36.4 mg/kg, and total carcinogenic PAHs (cPAHs) detected exceeding the MTCA Method A cleanup level in 3 of the 8 samples tested ranging up to 125.7 ug/mg. Remaining analytes were either not detected, or were detected at concentrations below the MTCA Method A cleanup levels.

A summary the analytical results is presented in Table D-1. Sample locations are shown on Figure 2 of the Remedial Action Report. Complete laboratory reports are included in Appendix B.

D.2. Removal and Off-Property Disposal

Based on the pre-disposal characterization sampling and results, demolition debris backfill was profiled for disposal at a combination of Waste Management's Columbia ridge Landfill in Arlington, Oregon, Republic Services' Regional Roosevelt Landfill in Klickitat County, Washington, and Cadman's landfill and thermal treatment facility located in Everett, Washington.

D.3. Additional Building Demolition Discoveries

Following removal of the temporary demolition debris backfill, the remaining building basement walls and foundation, and any other remaining hardscapes or building features, were demolished and removed from the Subject Property to facilitate mass excavation of underlying soil. During demolition on March 29, 2022, an 8-inch pipe containing suspected petroleum product and a 2-inch pipe surrounded by odorous soil were discovered in the vicinity of the former elevator equipment area. Soil sample SS-01 was collected from the odorous soil zone around the 8-inch pipe and soil sample SS-03 was collected from the vicinity of the 2-inch pipe. Sample SS-01 contained oil-range hydrocarbons at a concentration of 110,000 mg/kg and total cPAHs at a concentration of 344 ug/kg, both in exceedance of their respective MTCA Method A cleanup levels of 2,000 mg/kg and 100 ug/kg. Sample SS-03 did not contain any analytes above laboratory reporting limits (Table D-1).

Soil affected by the elevator pipe release(s) was limited to soil mixed within the temporary demolition debris backfill, separated from underlying soil by the concrete basement foundation slab. There was no observed impact to underlying soil.

Table D-1. Demolition Debris Characterization Samples for Disposal

Project No. 26000940, Swedish First Hill Redevelopment - Block 95, Seattle, Washington

		Sample Location	B95-AB-04	B95-AB-06	B95-AB-06	B95-AB-07	B95-AB-09	B95-AB-09	B95-AB-11	B95-AB-16	B95-AB-19	B95-AB-20	B95-AB-20	B95-AB-21	B95-AB-22	B95-AB-24	B95-AB-25	B95-AB-27	B95-AB-28	B95-AB-29	B95-AB-30	B95-AB-32	B95-AB-33	SS-01	SS-03
		Sample Date	04/28/2021	04/29/2021	04/29/2021	04/29/2021	04/29/2021	04/29/2021	08/26/2021	08/26/2021	08/25/2021	08/25/2021	08/25/2021	08/25/2021	08/25/2021	03/22/2022	03/23/2022	03/22/2022	03/23/2022	03/24/2022	03/23/2022	03/23/2022	03/23/2022	03/29/2022	03/29/2022
		Sample Name	B95-AB-04-2	B95-AB-06-6.5	B95-AB-06-13	B95-AB-07-4	B95-AB-09-4.5-1	B95-AB-09-4.5-2	B95-AB-11-5'	B95-AB-16-2.5	B95-AB-19-5.0	B95-AB-20-5	B95-AB-20-10	B95-AB-21-5.0	B95-AB-22-5.0	B95-AB-24-5	B95-AB-25-5.0	B95-AB-27-5	B95-AB-28-7.5	B95-AB-29-5	B95-AB-30-5	B95-AB-32-7.5	B95-AB-33-7.5	SS-01	SS-03
		Sample Depth	2 ft	6.5 ft	13 ft	4 ft	4.5 ft	4.5 ft	5 ft	2.5 ft	5 ft	5 ft	10 ft	5 ft	5 ft	5 ft	5 ft	5 ft	7.5 ft	5 ft	5 ft	7.5 ft	7.5 ft	-	-
		Sample Type	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris	demo debris
Analyte	**Unit**	**MTCA Method A Cleanup Level**																							
Petroleum Hydrocarbons																									
Gasoline Range Organics	mg/kg	100	< 3.03 U	**16.0 X**	**5.38 X**	**12.0 X**	< 3.29 U	**5.51**	< 5.16 U	**7.97 X**	--	--	--	**20.9 X**	--	--	--	--	--	--	--	--	--	< 5.49 U	< 5.25 U
Diesel Range Organics	mg/kg	2000	< 50.5 U	< 47.9 U	< 47.4 U	< 53.5 U	< 46.0 U	< 51.4 U	< 48.8 U	< 48.7 U	< 50.0 U	< 47.1 U	< 53.5 U	< 50.9 U	< 51.5 U	< 56.4 U	< 51.2 U	< 52.6 U	--	--	< 55.6 U	< 52.4 U	< 51.1 U	< 49.0 U	< 49.8 U
Motor Oil Range Organics	mg/kg	2000	< 101 U	**719**	< 94.7 U	**1100**	< 92.0 U	**1150**	< 97.6 U	**1380**	**1050**	**1050**	**67.9 J**	**1540**	**1390**	**2070**	**130**	**601**	--	--	< 111 U	< 105 U	< 102 U	**110000**	< 99.6 U
Diesel & Oil Extended Range Organics	mg/kg	2000	< 152 U	**719**	< 142 U	**1120**	< 138 U	**1150**	< 146 U	**1390**	**1060**	**1070**	**67.9 J**	**1560**	**1390**	**2070 J**	< 154 U	**601**	--	--	< 167 UJ	< 157 UJ	< 153 UJ	**113000 J**	< 149 UJ
Mineral Spirits	mg/kg		--	--	--	--	--	--	--	--	**30.1**	**14.0**	--	**20.9**	--	--	--	--	--	--	--	--	--	--	--
BTEX																									
Benzene	mg/kg	0.03	< 0.0121 U	< 0.0160 U	< 0.0128 U	< 0.0160 U	< 0.0132 U	< 0.0201 U	< 0.0207 U	< 0.0281 U	< 0.0358 U	< 0.0305 U	< 0.0302 U	< 0.0259 U	< 0.0482 U	< 0.0238 UJ	--	--	--	--	--	--	--	--	--
Toluene	mg/kg	7	< 0.0394 U	< 0.0520 U	< 0.0415 U	< 0.0519 U	< 0.0428 U	< 0.0652 U	< 0.0310 U	< 0.0422 U	< 0.0537 U	< 0.0457 U	< 0.0453 U	< 0.0389 U	< 0.0723 U	< 0.0357 UJ	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	6	< 0.0151 U	< 0.0200 U	< 0.0160 U	< 0.0200 U	< 0.0165 U	< 0.0251 U	< 0.0258 U	< 0.0351 U	< 0.0448 U	< 0.0381 U	< 0.0378 U	**0.00954 J**	< 0.0602 U	< 0.0298 UJ	--	--	--	--	--	--	--	--	--
Total Xylenes	mg/kg	9	< 0.0303 U	< 0.04 U	< 0.0319 U	< 0.0399 U	< 0.0329 U	< 0.0502 U	< 0.0516 U	< 0.0703 U	< 0.0896 U	**0.1261 J**	< 0.0756 U	**0.308**	**0.0706 J**	< 0.0595 UJ	--	--	--	--	--	--	--	--	--
Metals																									
Arsenic	mg/kg	20	**2.98**	**29.3**	**8.29**	**16.5**	**10.1**	**21.4**	**6.00**	**24.7**	**30.0**	**36.4**	**4.14**	**33.5**	**29.6**	**25.4**	**9.79**	**28.9**	**35.8**	--	**2.64**	--	**2.43**	--	--
Barium	mg/kg		**49.8**	**108**	**65.7**	**72.9**	**96.0**	**104**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	mg/kg	2	< 0.163 U	< 0.170 U	< 0.172 U	< 0.173 U	**0.190**	< 0.172 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium	mg/kg	2,000	**14.8**	**22.8**	**27.2**	**23.6**	**33.4**	**29.1**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead	mg/kg	250	**3.05**	**13.0**	**55.7**	**14.2**	**63.0**	**9.78**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	mg/kg	2	< 0.227 U	< 0.273 U	< 0.253 U	< 0.265 U	< 0.266 U	< 0.273 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium	mg/kg		**0.648 J**	< 0.170 U	**3.04 J**	**1.04 J**	**0.529 J**	**0.463 J**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver	mg/kg		< 0.123 U	**0.179**	< 0.129 U	< 0.130 U	< 0.123 U	< 0.129 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polycyclic Aromatic Hydrocarbons (PAHs)																									
1-Methylnaphthalene	ug/kg		< 19.6 U	< 20.1 U	< 20.2 U	< 20.7 U	< 18.9 U	**20.2**	--	--	--	--	--	--	--	--	--	--	--	< 22.2 U	--	< 21.5 U	< 21.5 U	--	--
2-Methylnaphthalene	ug/kg		< 19.6 U	< 20.1 U	< 20.2 U	< 20.7 U	< 18.9 U	**24.3**	--	--	--	--	--	--	--	--	--	--	--	< 22.2 U	--	< 21.5 U	< 21.5 U	--	--
Acenaphthene	ug/kg		< 19.6 U	< 20.1 U	< 20.2 U	**38.0**	< 18.9 U	**54.0**	--	--	--	--	--	--	--	--	--	--	--	< 22.2 U	--	< 21.5 U	< 21.5 U	--	--
Acenaphthylene	ug/kg		< 19.6 U	< 20.1 U	< 20.2 U	< 20.7 U	< 18.9 U	< 19.8 U	--	--	--	--	--	--	--	--	--	--	--	< 22.2 U	--	< 21.5 U	< 21.5 U	--	--
Anthracene	ug/kg		< 39.1 U	**41.8**	< 40.3 U	**78.6**	< 37.7 U	**45.4**	--	--	--	--	--	--	--	--	--	--	--	< 44.5 U	--	< 43.1 U	< 43.1 U	--	--
Benzo(g,h,i)perylene	ug/kg		< 19.6 U	**28.9**	< 20.2 U	**23.0**	**30.7**	**32.0**	--	--	--	--	--	--	--	--	--	--	--	< 22.2 U	--	< 21.5 U	< 21.5 U	--	--
Fluoranthene	ug/kg		< 39.1 U	**199**	< 40.3 U	**257**	**105**	**258**	--	--	--	--	--	--	--	--	--	--	--	< 44.5 U	--	< 43.1 U	< 43.1 U	--	--
Fluorene	ug/kg		< 19.6 U	**20.4**	< 20.2 U	**37.3**	< 18.9 U	**32.5**	--	--	--	--	--	--	--	--	--	--	--	< 22.2 U	--	< 21.5 U	< 21.5 U	--	--
Naphthalene	ug/kg	5000	< 19.6 U	< 20.1 U	< 20.2 U	< 20.7 U	< 18.9 U	**39.2**	--	--	--	--	--	--	--	--	--	--	--	< 22.2 U	--	< 21.5 U	< 21.5 U	--	--
Phenanthrene	ug/kg		< 39.1 U	**286**	< 40.3 U	**481**	**64.1**	**322**	--	--	--	--	--	--	--	--	--	--	--	< 44.5 U	--	< 43.1 U	< 43.1 U	--	--
Pyrene	ug/kg		< 39.1 U	**155**	< 40.3 U	**180**	**99.3**	**200**	--	--	--	--	--	--	--	--	--	--	--	< 44.5 U	--	< 43.1 U	< 43.1 U	--	--
Benz(a)anthracene	ug/kg		< 19.6 U	**92.3**	< 20.2 U	**63.6**	**55.0**	**99.5**	--	--	--	--	--	--	--	--	--	--	--	< 22.2 U	--	< 21.5 U	< 21.5 U	< 21.8 U	--
Benzo(a)pyrene	ug/kg	100	< 19.6 U	**73.5**	< 20.2 U	**60.0**	**64.4**	**95.9**	--	--	--	--	--	--	--	--	--	--	--	< 22.2 U	--	< 21.5 U	< 21.5 U	**333**	--
Benzo(b)fluoranthene	ug/kg		< 19.6 U	**53.7**	< 20.2 U	**35.5**	**53.3**	**66.8**	--	--	--	--	--	--	--	--	--	--	--	< 22.2 U	--	< 21.5 U	< 21.5 U	< 21.8 U	--
Benzo(k)fluoranthene	ug/kg		< 19.6 U	**71.9**	< 20.2 U	**48.4**	**47.9**	**76.9**	--	--	--	--	--	--	--	--	--	--	--	< 22.2 U	--	< 21.5 U	< 21.5 U	< 21.8 U	--
Chrysene	ug/kg		< 39.1 U	**107**	< 40.3 U	**109**	**59.4**	**150**	--	--	--	--	--	--	--	--	--	--	--	< 44.5 U	--	< 43.1 U	< 43.1 U	**341**	--
Dibenzo(a,h)anthracene	ug/kg		< 39.1 U	< 40.3 U	< 40.3 U	< 41.3 U	< 37.7 U	< 39.7 U	--	--	--	--	--	--	--	--	--	--	--	< 44.5 U	--	< 43.1 U	< 43.1 U	< 43.6 U	--
Indeno(1,2,3-cd)pyrene	ug/kg		< 39.1 U	< 40.3 U	< 40.3 U	< 41.3 U	< 37.7 U	< 39.7 U	--	--	--	--	--	--	--	--	--	--	--	< 44.5 U	--	< 43.1 U	< 43.1 U	< 43.6 U	--
Total cPAHs TEQ (ND = 1/2 RDL)	ug/kg	100	< 16.8 U	**100.4**	< 17.4 U	**80.0**	**84.4**	**125.7**	--	--	--	--	--	--	--	--	--	--	--	< 19.1 U	--	< 18.5 U	< 18.5 U	**344.0**	--

Table D-1. Demolition Debris Characterization Samples for Disposal

Project No. 26000940, Swedish First Hill Redevelopment - Block 95, Seattle, Washington

Analyte	Unit	Sample Location / Sample Date / Sample Name / Sample Depth / Sample Type / MTCA Method A Cleanup Level	B95-AB-04 04/28/2021 B95-AB-04-2 2 ft demo debris	B95-AB-06 04/29/2021 B95-AB-06-6.5 6.5 ft demo debris	B95-AB-06 04/29/2021 B95-AB-06-13 13 ft demo debris	B95-AB-07 04/29/2021 B95-AB-07-4 4 ft demo debris	B95-AB-09 04/29/2021 B95-AB-09-4.5-1 4.5 ft demo debris	B95-AB-09 04/29/2021 B95-AB-09-4.5-2 4.5 ft demo debris	B95-AB-11 08/26/2021 B95-AB-11-5' 5 ft demo debris	B95-AB-16 08/26/2021 B95-AB-16-2.5 2.5 ft demo debris	B95-AB-19 08/25/2021 B95-AB-19-5.0 5 ft demo debris	B95-AB-20 08/25/2021 B95-AB-20-5 5 ft demo debris	B95-AB-20 08/25/2021 B95-AB-20-10 10 ft demo debris	B95-AB-21 08/25/2021 B95-AB-21-5.0 5 ft demo debris	B95-AB-22 08/25/2021 B95-AB-22-5.0 5 ft demo debris	B95-AB-24 03/22/2022 B95-AB-24-5 5 ft demo debris	B95-AB-25 03/23/2022 B95-AB-25-5.0 5 ft demo debris	B95-AB-27 03/22/2022 B95-AB-27-5 5 ft demo debris	B95-AB-28 03/23/2022 B95-AB-28-7.5 7.5 ft demo debris	B95-AB-29 03/24/2022 B95-AB-29-5 5 ft demo debris	B95-AB-30 03/23/2022 B95-AB-30-5 5 ft demo debris	B95-AB-32 03/23/2022 B95-AB-32-7.5 7.5 ft demo debris	B95-AB-33 03/23/2022 B95-AB-33-7.5 7.5 ft demo debris	SS-01 03/29/2022 SS-01 - demo debris	SS-03 03/29/2022 SS-03 - demo debris
Volatile Organic Compounds (VOCs)																								
1,1,1,2-Tetrachloroethane	mg/kg		< 0.0121 U	< 0.0160 U	< 0.0128 U	< 0.0160 U	< 0.0132 U	< 0.0201 U	< 0.0207 U	< 0.0281 U	< 0.0358 U	< 0.0305 U	< 0.0302 U	< 0.0259 U	< 0.0482 U	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	mg/kg	2	< 0.0151 U	< 0.0200 U	< 0.0160 U	< 0.0200 U	< 0.0165 U	< 0.0251 U	< 0.0258 U	< 0.0351 U	< 0.0448 U	< 0.0381 U	< 0.0378 U	< 0.0324 U	< 0.0602 U	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	mg/kg		< 0.00909 U	< 0.0120 UJ	< 0.00958 UJ	< 0.0120 UJ	< 0.00988 UJ	< 0.0150 UJ	< 0.0155 U	< 0.0211 U	< 0.0269 U	< 0.0229 U	< 0.0227 U	< 0.0194 U	< 0.0361 U	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	mg/kg		< 0.0103 U	< 0.0136 U	< 0.0109 U	< 0.0136 U	< 0.0112 U	< 0.0171 U	< 0.0176 U	< 0.0239 U	< 0.0304 U	< 0.0259 U	< 0.0257 U	< 0.0220 U	< 0.0410 U	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	mg/kg		< 0.0151 U	< 0.0200 U	< 0.0160 U	< 0.0200 U	< 0.0165 U	< 0.0251 U	< 0.0258 U	< 0.0351 U	< 0.0448 U	< 0.0381 U	< 0.0378 U	< 0.0324 U	< 0.0602 U	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	mg/kg		< 0.0364 U	< 0.0480 U	< 0.0383 U	< 0.0479 U	< 0.0395 U	< 0.0602 U	< 0.103 U	< 0.141 U	< 0.179 U	< 0.152 U	< 0.151 U	< 0.130 U	< 0.241 U	--	--	--	--	--	--	--	--	--	--
1,1-Dichloropropene	mg/kg		< 0.0151 U	< 0.0200 U	< 0.0160 U	< 0.0200 U	< 0.0165 U	< 0.0251 U	< 0.0258 U	< 0.0351 U	< 0.0448 U	< 0.0381 U	< 0.0378 U	< 0.0324 U	< 0.0602 U	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichlorobenzene	mg/kg		< 0.0303 U	< 0.0400 U	< 0.0319 U	< 0.0399 U	< 0.0329 U	< 0.0502 U	< 0.0516 U	< 0.0703 U	< 0.0896 U	< 0.0762 U	< 0.0756 U	< 0.0648 U	< 0.120 U	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane	mg/kg		< 0.0151 U	< 0.0200 U	< 0.0160 U	< 0.0200 U	< 0.0165 U	< 0.0251 U	< 0.0258 U	< 0.0351 U	< 0.0448 U	< 0.0381 U	< 0.0378 U	< 0.0324 U	< 0.0602 U	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	mg/kg		< 0.0242 U	< 0.0320 U	< 0.0256 U	< 0.0319 U	< 0.0264 U	< 0.0401 U	< 0.0413 U	< 0.0562 U	< 0.0716 U	< 0.0610 U	< 0.0604 U	< 0.0518 U	< 0.0964 U	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	mg/kg		< 0.0151 U	< 0.0200 U	< 0.0160 U	< 0.0200 U	< 0.0165 U	< 0.0251 U	< 0.0258 U	< 0.0351 U	< 0.0448 U	< 0.0381 U	< 0.0378 U	< 0.0324 U	< 0.0602 U	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane	mg/kg		< 0.0364 U	< 0.0480 U	< 0.0383 U	< 0.0479 U	< 0.0395 U	< 0.0602 U	< 0.0620 U	< 0.0843 U	< 0.107 U	< 0.0915 U	< 0.0907 U	< 0.0777 U	< 0.145 U	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane (EDB)	mg/kg	0.005	< 0.0121 U	< 0.0160 U	< 0.0128 U	< 0.0160 U	< 0.0132 U	< 0.0201 U	< 0.0103 U	< 0.0141 U	< 0.0179 U	< 0.0152 U	< 0.0151 U	< 0.0130 U	< 0.0241 U	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	mg/kg		< 0.0182 U	< 0.0240 U	< 0.0192 U	< 0.0239 U	< 0.0198 U	< 0.0301 U	< 0.0310 U	< 0.0422 U	< 0.0537 U	< 0.0457 U	< 0.0453 U	< 0.0389 U	< 0.0723 U	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane (EDC)	mg/kg		< 0.0139 U	< 0.0184 U	< 0.0147 U	< 0.0184 U	< 0.0152 U	< 0.0231 U	< 0.0238 U	< 0.0323 U	< 0.0412 U	< 0.0351 U	< 0.0348 U	< 0.0298 U	< 0.0554 U	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	mg/kg		< 0.0121 U	< 0.0160 U	< 0.0128 U	< 0.0160 U	< 0.0132 U	< 0.0201 U	< 0.0207 U	< 0.0281 U	< 0.0358 U	< 0.0305 U	< 0.0302 U	< 0.0259 U	< 0.0482 U	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	mg/kg		< 0.0151 U	< 0.0200 U	< 0.0160 U	< 0.0200 U	< 0.0165 U	< 0.0251 U	< 0.0258 U	< 0.0351 U	< 0.0448 U	< 0.0381 U	< 0.0378 U	**0.0107 J**	< 0.0602 U	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	mg/kg		< 0.0212 U	< 0.0280 U	< 0.0224 U	< 0.0279 U	< 0.0231 U	< 0.0351 U	< 0.0361 U	< 0.0492 U	< 0.0627 U	< 0.0533 U	< 0.0529 U	< 0.0453 U	< 0.0843 U	--	--	--	--	--	--	--	--	--	--
1,3-Dichloropropane	mg/kg		< 0.0121 U	< 0.0160 U	< 0.0128 U	< 0.0160 U	< 0.0132 U	< 0.0201 U	< 0.0207 U	< 0.0281 U	< 0.0358 U	< 0.0305 U	< 0.0302 U	< 0.0259 U	< 0.0482 U	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	mg/kg		< 0.0182 U	< 0.0240 U	< 0.0192 U	< 0.0239 U	< 0.0198 U	< 0.0301 U	< 0.0310 U	< 0.0422 U	< 0.0537 U	< 0.0457 U	< 0.0453 U	< 0.0389 U	< 0.0723 U	--	--	--	--	--	--	--	--	--	--
2-Butanone	mg/kg		< 0.273 U	< 0.360 U	< 0.287 U	< 0.359 U	< 0.296 U	< 0.451 U	< 0.465 U	< 0.632 U	< 0.806 U	< 0.686 U	< 0.680 U	**0.149 J**	< 1.08 U	--	--	--	--	--	--	--	--	--	--
2-Chlorotoluene	mg/kg		< 0.0182 U	< 0.0240 U	< 0.0192 U	< 0.0239 U	< 0.0198 U	< 0.0301 U	< 0.0310 U	< 0.0422 U	< 0.0537 U	< 0.0457 U	< 0.0453 U	< 0.0389 U	< 0.0723 U	--	--	--	--	--	--	--	--	--	--
2-Hexanone	mg/kg		< 0.0364 U	< 0.0480 U	< 0.0383 U	< 0.0479 U	< 0.0395 U	< 0.0602 U	< 0.0620 U	< 0.0843 U	< 0.107 U	< 0.0915 U	< 0.0907 U	< 0.0777 U	< 0.145 U	--	--	--	--	--	--	--	--	--	--
4-Chlorotoluene	mg/kg		< 0.0182 U	< 0.0240 U	< 0.0192 U	< 0.0239 U	< 0.0198 U	< 0.0301 U	< 0.0310 U	< 0.0422 U	< 0.0537 U	< 0.0457 U	< 0.0453 U	< 0.0389 U	< 0.0723 U	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone	mg/kg		< 0.0454 U	< 0.0600 U	< 0.0479 U	< 0.0599 U	< 0.0494 U	< 0.0752 U	< 0.0775 U	< 0.105 U	< 0.134 U	**0.133**	< 0.113 U	**0.180**	**0.0752 J**	--	--	--	--	--	--	--	--	--	--
Acetone	mg/kg		< 0.545 U	< 0.719 U	< 0.575 U	< 0.718 U	< 0.593 U	< 0.903 U	< 0.516 U	< 0.703 U	< 0.896 U	< 0.762 U	< 0.756 U	< 0.648 U	< 1.20 U	--	--	--	--	--	--	--	--	--	--
Bromobenzene	mg/kg		< 0.0182 U	< 0.0240 U	< 0.0192 U	< 0.0239 U	< 0.0198 U	< 0.0301 U	< 0.0310 U	< 0.0422 U	< 0.0537 U	< 0.0457 U	< 0.0453 U	< 0.0389 U	< 0.0723 U	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	mg/kg		< 0.0151 U	< 0.0200 U	< 0.0160 U	< 0.0200 U	< 0.0165 U	< 0.0251 U	< 0.0258 U	< 0.0351 U	< 0.0448 U	< 0.0381 U	< 0.0378 U	< 0.0324 U	< 0.0602 U	--	--	--	--	--	--	--	--	--	--
Bromoform	mg/kg		< 0.0151 U	< 0.0200 U	< 0.0160 U	< 0.0200 U	< 0.0165 U	< 0.0251 U	< 0.0258 U	< 0.0351 U	< 0.0448 U	< 0.0381 U	< 0.0378 U	< 0.0324 U	< 0.0602 U	--	--	--	--	--	--	--	--	--	--
Bromomethane	mg/kg		< 0.0909 U	< 0.120 U	< 0.0958 U	< 0.120 U	< 0.0988 U	< 0.150 U	< 0.155 U	< 0.211 U	< 0.269 U	< 0.229 U	< 0.227 U	< 0.194 U	< 0.361 U	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride	mg/kg		< 0.0454 U	< 0.0600 U	< 0.0479 U	< 0.0599 U	< 0.0494 U	< 0.0752 U	< 0.0775 U	< 0.105 U	< 0.134 U	< 0.114 U	< 0.113 U	< 0.0972 U	< 0.181 U	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/kg		< 0.0151 U	< 0.0200 U	< 0.0160 U	< 0.0200 U	< 0.0165 U	< 0.0251 U	< 0.0258 U	< 0.0351 U	< 0.0448 U	< 0.0381 U	< 0.0378 U	< 0.0324 U	< 0.0602 U	--	--	--	--	--	--	--	--	--	--
Chloroethane	mg/kg		< 0.0727 U	< 0.0959 U	< 0.0767 U	< 0.0958 U	< 0.0791 U	< 0.120 U	< 0.124 U	< 0.169 U	< 0.215 U	< 0.183 U	< 0.181 U	< 0.155 U	< 0.289 U	--	--	--	--	--	--	--	--	--	--
Chloroform	mg/kg		< 0.0151 U	< 0.0200 U	< 0.0160 U	< 0.0200 U	< 0.0165 U	< 0.0251 U	< 0.0258 U	< 0.0351 U	< 0.0448 U	< 0.0381 U	< 0.0378 U	< 0.0324 U	< 0.0602 U	--	--	--	--	--	--	--	--	--	--
Chloromethane	mg/kg		< 0.0485 U	< 0.0640 U	< 0.0511 U	< 0.0639 U	< 0.0527 U	< 0.0802 U	< 0.0826 U	< 0.112 U	< 0.143 UJ	< 0.122 UJ	< 0.121 UJ	< 0.104 UJ	< 0.193 UJ	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene (cDCE)	mg/kg		< 0.0151 U	< 0.0200 U	< 0.0160 U	< 0.0200 U	< 0.0165 U	< 0.0251 U	< 0.0258 U	< 0.0351 U	< 0.0448 U	< 0.0381 U	< 0.0378 U	< 0.0324 U	< 0.0602 U	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	mg/kg		< 0.0485 U	< 0.0640 U	< 0.0511 U	< 0.0639 U	< 0.0527 U	< 0.0802 U	< 0.0826 U	< 0.112 U	< 0.143 U	< 0.122 U	< 0.121 U	< 0.104 U	< 0.193 U	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	mg/kg		< 0.0121 U	< 0.0160 U	< 0.0128 U	< 0.0160 U	< 0.0132 U	< 0.0201 U	< 0.0207 U	< 0.0281 U	< 0.0358 U	< 0.0305 U	< 0.0302 U	< 0.0259 U	< 0.0482 U	--	--	--	--	--	--	--	--	--	--
Dibromomethane	mg/kg		< 0.0121 U	< 0.0160 U	< 0.0128 U	< 0.0160 U	< 0.0132 U	< 0.0201 U	< 0.0207 U	< 0.0281 U	< 0.0358 U	< 0.0305 U	< 0.0302 U	< 0.0259 U	< 0.0482 U	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane	mg/kg		< 0.0303 U	< 0.0400 U	< 0.0319 U	< 0.0399 U	< 0.0329 U	< 0.0502 U	< 0.0516 UJ	< 0.0703 UJ	< 0.0896 UJ	< 0.0762 UJ	< 0.0756 UJ	< 0.0648 UJ	< 0.120 UJ	--	--	--	--	--	--	--	--	--	--
Hexachlorobutadiene	mg/kg		< 0.0303 U	< 0.0400 U	< 0.0319 U	< 0.0399 U	< 0.0329 U	< 0.0502 U	< 0.0516 U	< 0.0703 U	< 0.0896 U	< 0.0762 U	< 0.0756 U	< 0.0648 U	< 0.120 U	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene	mg/kg		< 0.0182 U	< 0.0240 U	< 0.0192 U	< 0.0239 U	< 0.0198 U	< 0.0301 U	< 0.0310 U	< 0.0422 U	< 0.0537 U	< 0.0457 U	< 0.0453 U	< 0.0389 U	< 0.0723 U	--	--	--	--	--	--	--	--	--	--
m,p-Xylenes	mg/kg		< 0.0303 U	< 0.0400 U	< 0.0319 U	< 0.0399 U	< 0.0329 U	< 0.0502 U	< 0.0516 U	< 0.0703 U	< 0.0896 U	**0.0351 J**	< 0.0756 U	**0.145**	**0.0207 J**	< 0.0595 UJ	--	--	--	--	--	--	--	--	--
Methyl tert-butyl ether (MTBE)	mg/kg	0.1	< 0.0182 U	< 0.0240 U	< 0.0192 U	< 0.0239 U	< 0.0198 U	< 0.0301 U	< 0.0310 U	< 0.0422 U	< 0.0537 U	< 0.0457 U	< 0.0453 U	< 0.0389 U	< 0.0723 U	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	mg/kg	0.02	< 0.0121 U	< 0.0160 U	< 0.0128 U	< 0.0160 U	< 0.0132 U	< 0.0201 U	< 0.0155 U	< 0.0211 U	< 0.0269 U	< 0.0229 U	< 0.0227 U	< 0.0194 U	< 0.0361 U	--	--	--	--	--	--	--	--	--	--
n-Butylbenzene	mg/kg		< 0.0242 U	< 0.0320 U	< 0.0256 U	< 0.0319 U	< 0.0264 U	< 0.0401 U	< 0.0413 U	< 0.0562 U	< 0.0716 U	< 0.0610 U	< 0.0604 U	< 0.0518 U	< 0.0964 U	--	--	--	--	--	--	--	--	--	--
n-Propylbenzene	mg/kg		< 0.0182 U	< 0.0240 U	< 0.0192 U	< 0.0239 U	< 0.0198 U	< 0.0301 U	< 0.0310 U	< 0.0422 U	< 0.0537 U	< 0.0457 U	< 0.0453 U	< 0.0389 U	< 0.0723 U	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	5	< 0.0606 U	< 0.0799 U	< 0.0639 U	< 0.0798 U	< 0.0659 U	< 0.100 U	< 0.103 U	< 0.141 U	< 0.179 U	< 0.152 U	< 0.151 U	< 0.130 U	< 0.241 U	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg		< 0.0151 U	< 0.0200 U	< 0.0160 U	< 0.0200 U	< 0.0165 U	< 0.0251 U	< 0.0258 U	< 0.0351 U	< 0.0448 U	**0.0910**	< 0.0378 U	**0.163**	**0.0499 J**	< 0.0298 UJ	--	--	--	--	--	--	--	--	--
p-Isopropyltoluene	mg/kg		< 0.0182 U	< 0.0240 U	**0.393**	< 0.0239 U	< 0.0198 U	< 0.0301 U	< 0.0310 U	< 0.0422 U	< 0.0537 U	< 0.0457 U	< 0.0453 U	< 0.0389 U	< 0.0723 U	--	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	mg/kg		< 0.0182 U	< 0.0240 U	< 0.0192 U	< 0.0239 U	< 0.0198 U	< 0.0301 U	< 0.0310 U	< 0.0422 U	< 0.0537 U	< 0.0457 U	< 0.0453 U	< 0.0389 U	< 0.0723 U	--	--	--	--	--	--	--	--	--	--
Styrene	mg/kg		< 0.0151 U	< 0.0200 U	< 0.0160 U	< 0.0200 U	< 0.0165 U	< 0.0251 U	< 0.0258 U	< 0.0351 U	< 0.0448 U	< 0.0381 U	< 0.0378 U	< 0.0324 U	< 0.0602 U	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	mg/kg		< 0.0182 U	< 0.0240 U	< 0.0192 U	< 0.0239 U	< 0.0198 U	< 0.0301 U	< 0.0310 U	< 0.0422 U	< 0.0537 U	< 0.0457 U	< 0.0453 U	< 0.0389 U	< 0.0723 U	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene (PCE)	mg/kg	0.05	< 0.0242 U	< 0.0320 U	< 0.0256 U	< 0.0319 U	< 0.0264 U	< 0.0401 U	< 0.0413 U	< 0.0562 U	< 0.0716 U	< 0.0610 U	< 0.0604 U	< 0.0518 U	< 0.0964 U	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	mg/kg		< 0.0182 U	< 0.0240 U	< 0.0192 U	< 0.0239 U	< 0.0198 U	< 0.0301 U	< 0.0310 U	< 0.0422 U	< 0.0537 U	< 0.0457 U	< 0.0453 U	< 0.0389 U	< 0.0723 U	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	mg/kg		< 0.0303 U	< 0.0400 U	< 0.0319 U	< 0.0399 U	< 0.0329 U	< 0.0502 U	< 0.0516 U	< 0.0703 U	< 0.0896 U	< 0.0762 U	< 0.0756 U	< 0.0648 U	< 0.120 U	--	--	--	--	--	--	--	--	--	--
Trichloroethene (TCE)	mg/kg	0.03	< 0.0151 U	< 0.0200 U	< 0.0160 U	< 0.0200 U	< 0.0165 U	< 0.0251 U	< 0.0207 U	< 0.0281 U	< 0.0358 U	< 0.0305 U	< 0.0302 U	< 0.0259 U	< 0.0482 U	--	--	--	--	--	--	--	--	--	--
Trichlorofluoromethane	mg/kg		< 0.0303 U	< 0.0400 U	< 0.0319 U	< 0.0399 U	< 0.0329 U	< 0.0502 U	< 0.0516 U	< 0.0703 U	< 0.0896 U	< 0.0762 U	< 0.0756 U	< 0.0648 U	< 0.120 U	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	mg/kg		< 0.0151 U	< 0.0200 U	< 0.0160 U	< 0.0200 U	< 0.0165 U	< 0.0251 U	< 0.0258 U	< 0.0351 U	< 0.0448 U	< 0.0381 U	< 0.0378 U	< 0.0324 U	< 0.0602 U	--	--	--	--	--	--	--	--	--	--

Notes:

Bold - analyte was detected at or above the laboratory reporting limit

Blue Shaded - detected concentration exceeded the Model Toxics Control Act (MTCA) cleanup level (CUL)

< - analyte was not detected at or above the reporting limit shown

J - result value estimated

UJ - analyte not detected and the reporting limit is an estimate

X - the laboratory has indicated that the chromatographic pattern does not match fuel standard used for quantitation

Sum of carcinogenic PAHs (cPAHs) calculated using the Toxic Equivalency (TEQ) method; none detects (NDs) were incorporated as half of the reporting limit (1/2 RL).

mg/kg - milligrams per kilogram

ug/kg - micrograms per kilogram

-- - not tested

APPENDIX E

Soil Disposal Documentation Summary

Table E-1. Soil Disposal Documentation Summary

Project No. 26000940, Remedial Action Report
Block 95 Redevelopment, Swedish First Hill Campus Expansion, Seattle, Washington

Summary of Soil Disposal Quantities	
Soil Category	**Tons**
Mass Excavation	
Impacted (Class 2)	2320
Contaminated (Class 3)	3267
Soldier Piles	
Contaminated (Class 3)	46

Date Excavated	Soil Category	Area/ Notes	Truck Type	Weight Ticket Number	Weight Ticket Tons	Receiving Facility
4/6/2022	Impacted (Class 2)	AB-02	Truck and Trailer	1120562251	26.96	Cadman
4/6/2022	Impacted (Class 2)	AB-02	Truck and Trailer	1120562241	26.43	Cadman
4/6/2022	Impacted (Class 2)	AB-02	Truck and Trailer	1120562243	30.79	Cadman
4/6/2022	Impacted (Class 2)	AB-02	Truck and Trailer	1120562253	31.18	Cadman
4/6/2022	Impacted (Class 2)	AB-02	Truck and Trailer	1120562236	25.51	Cadman
4/6/2022	Impacted (Class 2)	AB-02	Truck and Trailer	1120562247	26.83	Cadman
4/6/2022	Impacted (Class 2)	AB-02	Truck and Trailer	1120562256	28.26	Cadman
4/6/2022	Impacted (Class 2)	AB-02	Truck and Trailer	1120562242	29.52	Cadman
4/6/2022	Impacted (Class 2)	AB-02	Truck and Trailer	1120562252	29.27	Cadman
4/6/2022	Impacted (Class 2)	AB-02	Truck and Trailer	1120562259	27.82	Cadman
4/6/2022	Impacted (Class 2)	AB-02	Truck and Trailer	1120562237	28.12	Cadman
4/6/2022	Impacted (Class 2)	AB-02	Truck and Trailer	1220562249	31.17	Cadman
4/6/2022	Impacted (Class 2)	AB-02	Truck and Trailer	1120562258	29.82	Cadman
4/7/2022	Impacted (Class 2)	AB-02/-08	Truck and Trailer	1120562314	25.86	Cadman
4/7/2022	Impacted (Class 2)	AB-02/-08	Truck and Trailer	1120562320	31.58	Cadman
4/7/2022	Impacted (Class 2)	AB-02/-08	Truck and Trailer	1120562312	28.15	Cadman
4/7/2022	Impacted (Class 2)	AB-02/-08	Truck and Trailer	1120562285	31.51	Cadman
4/7/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562276	26.70	Cadman
4/7/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562315	35.69	Cadman
4/7/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562281	28.85	Cadman
4/7/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562316	28.94	Cadman
4/7/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562284	33.44	Cadman
4/7/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562296	33.45	Cadman
4/7/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562298	30.69	Cadman
4/7/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562295	31.75	Cadman
4/7/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562300	31.44	Cadman
4/7/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562293	27.54	Cadman
4/7/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562328	32.08	Cadman
4/7/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562329	29.45	Cadman
4/7/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562331	30.44	Cadman
4/7/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562327	33.03	Cadman
4/7/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562326	31.29	Cadman
4/7/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562325	28.64	Cadman
4/8/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562351	29.45	Cadman
4/8/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562353	29.28	Cadman
4/8/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562346	30.96	Cadman
4/8/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562341	31.94	Cadman
4/8/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562336	32.57	Cadman
4/8/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562334	30.28	Cadman
4/8/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562340	30.07	Cadman
4/8/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562345	30.33	Cadman
4/8/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562342	33.67	Cadman
4/8/2022	Impacted (Class 2)	AB-08	Truck and Trailer	1120562335	33.44	Cadman
4/11/2022	Impacted (Class 2)	AB-16	Super Solo	1120562356	22.17	Cadman
4/11/2022	Impacted (Class 2)	AB-16	Super Solo	1120562363	23.22	Cadman
4/11/2022	Impacted (Class 2)	AB-16	Super Solo	1120562362	24.05	Cadman
4/11/2022	Impacted (Class 2)	AB-16	Super Solo	1120562355	24.10	Cadman
4/11/2022	Impacted (Class 2)	AB-16	Super Solo	1120562361	22.88	Cadman
4/11/2022	Impacted (Class 2)	AB-16	Super Solo	1120562364	24.47	Cadman
4/11/2022	Impacted (Class 2)	AB-16	Super Solo	1120562367	20.20	Cadman

4/11/2022	Impacted (Class 2)	AB-16	Super Solo	1120562366	21.38	Cadman
4/12/2022	Impacted (Class 2)	AB-16/-07	Super Solo	1120562378	17.22	Cadman
4/13/2022	Impacted (Class 2)	AB-07	Super Solo	1120562393	25.95	Cadman
4/13/2022	Impacted (Class 2)	AB-07	Super Solo	1120562401	26.55	Cadman
4/13/2022	Impacted (Class 2)	AB-07	Super Solo	1220562413	25.49	Cadman
4/13/2022	Impacted (Class 2)	AB-07	Super Solo	1120562405	23.29	Cadman
4/13/2022	Impacted (Class 2)	AB-07	Super Solo	1120562406	27.02	Cadman
4/13/2022	Impacted (Class 2)	AB-07	Super Solo	1120562420	21.08	Cadman
4/13/2022	Impacted (Class 2)	AB-07	Super Solo	1120562433	26.01	Cadman
4/13/2022	Impacted (Class 2)	AB-07	Super Solo	1120562390	22.33	Cadman
4/13/2022	Impacted (Class 2)	AB-07	Super Solo	1120562400	26.60	Cadman
4/13/2022	Impacted (Class 2)	AB-07	Super Solo	1120562417	21.77	Cadman
4/13/2022	Impacted (Class 2)	AB-07	Super Solo	1120562432	26.57	Cadman
4/13/2022	Impacted (Class 2)	AB-07	Super Solo	1120562429	26.07	Cadman
4/11/2022	Contaminated (Class 3)	AB-16	Super Solo	1005023	22.92	Regional Disposal
4/11/2022	Contaminated (Class 3)	AB-16	Super Solo	1005026	28.78	Regional Disposal
4/11/2022	Contaminated (Class 3)	AB-16	Super Solo	1005029	22.97	Regional Disposal
4/11/2022	Contaminated (Class 3)	AB-16	Super Solo	1005034	25.85	Regional Disposal
4/11/2022	Contaminated (Class 3)	AB-16	Super Solo	1005038	23.08	Regional Disposal
4/11/2022	Contaminated (Class 3)	AB-16	Super Solo	1005043	25.23	Regional Disposal
4/11/2022	Contaminated (Class 3)	AB-16	Super Solo	1005024	24.11	Regional Disposal
4/11/2022	Contaminated (Class 3)	AB-16	Super Solo	1005028	23.05	Regional Disposal
4/11/2022	Contaminated (Class 3)	AB-16	Super Solo	1005032	23.97	Regional Disposal
4/11/2022	Contaminated (Class 3)	AB-16	Super Solo	1005037	23.58	Regional Disposal
4/11/2022	Contaminated (Class 3)	AB-16	Super Solo	1005040	23.05	Regional Disposal
4/11/2022	Contaminated (Class 3)	AB-16	Super Solo	1005046	21.60	Regional Disposal
4/12/2022	Contaminated (Class 3)	AB-16/-07	Super Solo	1005069	13.54	Regional Disposal
4/12/2022	Contaminated (Class 3)	AB-16/-07	Super Solo	1005062	14.95	Regional Disposal
4/12/2022	Contaminated (Class 3)	AB-16/-07	Super Solo	1005107	15.72	Regional Disposal
4/12/2022	Contaminated (Class 3)	AB-16/-07	Super Solo	1005088	14.98	Regional Disposal
4/12/2022	Contaminated (Class 3)	AB-16/-07	Super Solo	1005080	15.77	Regional Disposal
4/12/2022	Contaminated (Class 3)	AB-16/-07	Super Solo	1005094	15.35	Regional Disposal
4/12/2022	Contaminated (Class 3)	AB-16/-07	Super Solo	1005101	15.91	Regional Disposal
4/12/2022	Contaminated (Class 3)	AB-16/-07	Super Solo	1005105	25.93	Regional Disposal
4/12/2022	Contaminated (Class 3)	AB-16/-07	Super Solo	1005097	24.90	Regional Disposal
4/12/2022	Contaminated (Class 3)	AB-16/-07	Super Solo	1005079	23.76	Regional Disposal
4/12/2022	Contaminated (Class 3)	AB-16/-07	Super Solo	1005068	22.55	Regional Disposal
4/12/2022	Contaminated (Class 3)	AB-16/-07	Super Solo	1005091	25.60	Regional Disposal
4/12/2022	Contaminated (Class 3)	AB-16/-07	Super Solo	1005112	25.93	Regional Disposal
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	71034	22.45	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70999	26.02	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70899	22.19	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70925	24.86	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70946	24.63	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70976	24.73	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	71020	23.37	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70900	21.79	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	71038	24.13	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	71024	21.97	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	71005	24.26	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70979	24.96	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70948	24.82	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70926	26.19	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	71040	23.16	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	71010	23.66	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70986	25.27	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70955	25.11	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70933	24.71	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70903	20.53	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	71025	21.62	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	71029	23.02	Waste Management

4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70904	21.73	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70935	24.33	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70957	24.01	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70989	24.98	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	71014	23.50	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70908	21.29	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	71017	22.06	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70990	24.00	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70962	24.13	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	70934	24.57	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	71030	23.38	Waste Management
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	1005178	23.25	Regional Disposal
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	1005176	27.24	Regional Disposal
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	1005174	24.00	Regional Disposal
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	1005172	24.30	Regional Disposal
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	1005167	24.99	Regional Disposal
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	1005164	25.73	Regional Disposal
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	1005159	22.19	Regional Disposal
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	1005158	24.88	Regional Disposal
4/14/2022	Contaminated (Class 3)	NE Corner	Super Solo	1005182	23.74	Regional Disposal
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71103	21.86	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71104	22.51	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71105	23.42	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71106	23.40	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71111	23.27	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71114	25.61	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71115	25.99	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71116	25.99	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71121	24.14	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71123	26.60	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71125	23.50	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71127	25.81	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71130	25.98	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71133	24.97	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71137	26.20	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71142	25.54	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71144	24.83	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71145	28.97	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71147	29.00	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71152	27.14	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71154	28.25	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71156	26.50	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71159	26.71	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71163	26.96	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71164	26.48	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71166	26.77	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71172	25.66	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71175	23.16	Waste Management
4/18/2022	Contaminated (Class 3)	NE Corner	Super Solo	71176	22.43	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71184	26.01	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71186	22.85	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71186	24.50	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71188	22.43	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71190	24.37	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71193	23.74	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71196	22.91	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71198	24.05	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71202	24.32	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71205	22.96	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71212	25.10	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71214	24.56	Waste Management

Table E-1. Soil Disposal Documentation Summary

Project No. 26000940, Remedial Action Report
Block 95 Redevelopment, Swedish First Hill Campus Expansion, Seattle, Washington

4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71219	25.11	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71221	25.04	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71228	26.09	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71231	25.30	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71233	24.36	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71234	25.54	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71239	23.04	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71246	24.18	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71247	25.46	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71250	24.29	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71257	24.46	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71259	24.97	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71262	25.84	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71263	25.21	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71270	25.49	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71272	24.13	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71273	23.30	Waste Management
4/19/2022	Contaminated (Class 3)	NE Corner	Super Solo	71274	23.63	Waste Management
4/20/2022	Contaminated (Class 3)	NE Corner	Super Solo	71284	19.39	Waste Management
4/20/2022	Contaminated (Class 3)	NE Corner	Super Solo	71278	24.38	Waste Management
4/20/2022	Contaminated (Class 3)	NE Corner	Super Solo	71279	25.23	Waste Management
4/20/2022	Contaminated (Class 3)	NE Corner	Super Solo	71277	22.52	Waste Management
4/20/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562564	22.04	Cadman
4/20/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562591	25.55	Cadman
4/20/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562587	26.00	Cadman
4/20/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562588	24.99	Cadman
4/20/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562589	23.86	Cadman
4/20/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562567	24.44	Cadman
4/20/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562579	23.95	Cadman
4/20/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562592	21.93	Cadman
4/20/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562560	23.16	Cadman
4/20/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562573	23.25	Cadman
4/20/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562586	24.47	Cadman
4/21/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562603	22.41	Cadman
4/21/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562606	23.69	Cadman
4/21/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562609	23.08	Cadman
5/3/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562752	23.28	Cadman
5/3/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562753	24.65	Cadman
5/3/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562766	25.70	Cadman
5/3/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562767	24.90	Cadman
5/3/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562776	24.46	Cadman
5/3/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562777	23.52	Cadman
5/3/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562784	24.50	Cadman
5/3/2022	Impacted (Class 2)	NE Corner	Super Solo	1120562786	23.15	Cadman
6/6/2022	Contaminated (Class 3)	UST-1 (SW)/elevator	Super Solo	72756	24.39	Waste Management
6/6/2022	Contaminated (Class 3)	UST-1 (SW)/elevator	Super Solo	72761	25.22	Waste Management
6/6/2022	Contaminated (Class 3)	UST-1 (SW)/elevator	Super Solo	72765	25.78	Waste Management
6/7/2022	Contaminated (Class 3)	Alley/UST-1/elevator	Super Solo	72768	26.13	Waste Management
6/7/2022	Contaminated (Class 3)	Alley/UST-1/elevator	Super Solo	72776	25.14	Waste Management
6/7/2022	Contaminated (Class 3)	Alley	Super Solo	72784	24.50	Waste Management
7/6/2022	Contaminated (Class 3)	Soldier Piles	Super Solo	178002	8.80	Waste Management
7/20/2022	Contaminated (Class 3)	Soldier Piles	Super Solo	73985	21.74	Waste Management
8/4/2022	Contaminated (Class 3)	Soldier Piles	Super Solo	74344	15.68	Waste Management

Notes:
NE: northeast
SW: southwest
UST: underground storage tank

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WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562237	8:26:39AM	4/6/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	TIG2TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		53.63 /	2	53.63

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	28.12		

SCALE WEIGHT
Gross 95,180 LB m
Tare 38,940 LB/P.T.*
Net 56,240 LB m

GROSS & TARE
[X] Scale 1 [ ] Scale 2
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER
Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]
Received by Signature X Kaleb
Print Name (Customer) X
Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

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WEIGHMASTER STATION
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Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO	TICKET TIME	DATE
1120562249	10:34:28AM	4/6/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	TIG2TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		198.37 /	7	198.37

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	31.17		

SCALE WEIGHT

Gross 104,880 LB *
Tare 42,540 LB/P.T.*
Net 62,340 LB *

GROSS & TARE

☒ Scale 1 ☐ Scale 2
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. ☐

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Customer's Initials X

Arrive Job		Start Unloading		Finish Unloading		Standby Time	

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WEIGHMASTER STATION
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Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562243	9:00:53AM	4/6/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	TIG3TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		140.37 /	5	140.37

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	30.79		

SCALE WEIGHT

Gross 103,440 LB m
Tare 41,860 LB/P.T.*
Net 61,580 LB m

GROSS & TARE

☒ Scale 1 ☐ Scale 2
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature ☐

Received by Signature X Danny

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

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Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562253	10:58:53AM	4/6/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	TIG3TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		285.78 /	10	285.78

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	31.18		

SCALE WEIGHT

Gross 104,220 LB m
Tare 41,860 LB/P.T.*
Net 62,360 LB m

GROSS & TARE

☒ Scale 1 ☐ Scale 2
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. ☐

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

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Everett Glenwood LND
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Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562251	10:43:47AM	4/6/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG22TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		225.33 /	8	225.33

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	26.96		

SCALE WEIGHT		GROSS & TARE
Gross	96,380 LB m	☒ Scale 1 ☐ Scale 2
Tare	42,460 LB/P.T.*	X Sammie
Net	53,920 LB m	Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. ☐

Received by Signature: X Cardell

Print Name (Customer): X

Driver's Signature: X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

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Everett Glenwood LND
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Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562241	8:48:00AM	4/6/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG22TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		80.06 /	3	80.06

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	26.43		

SCALE WEIGHT

Gross 95,320 LB m
Tare 42,460 LB/P.T.*
Net 52,860 LB m

GROSS & TARE

☒ Scale 1 ☐ Scale 2
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. ☐

Received by Signature X Cordell

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

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Everett Glenwood LND
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TICKET NO	TICKET TIME	DATE
1120562259	12:32:55PM	4/6/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG22TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		371.68 /	13	371.68

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	27.82		

SCALE WEIGHT

Gross 98,100 LB m
Tare 42,460 LB/P.T.*
Net 55,640 LB m

GROSS & TARE

☒ Scale 1 ☐ Scale 2
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. ☐

Received by Signature X Cardell

Print Name (Customer) X

Driver's Signature X

Customer's Initials X

Arrive Job		Start Unloading		Finish Unloading		Standby Time	

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Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562236	8:14:44AM	4/6/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG33TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		25.51 /	1	25.51

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	25.51		

SCALE WEIGHT

Gross 95,400 LB m
Tare 44,380 LB/P.T.*
Net 51,020 LB m

GROSS & TARE

☒ Scale 1 ☐ Scale 2
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. ☐

Received by Signature X Alex

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

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WEIGHMASTER STATION
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Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562247	10:12:24AM	4/6/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG33TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		167.20 /	6	167.20

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	26.83		

SCALE WEIGHT		GROSS & TARE
Gross	98,040 LB m	☒ Scale 1 ☐ Scale 2
Tare	44,380 LB/P.T.*	X Sammie
Net	53,660 LB m	Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. ☐

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Customer's Initials X

Arrive Job		Start Unloading		Finish Unloading		Standby Time	

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Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562256	11:49:41AM	4/6/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG33TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		314.04 /	11	314.04

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	28.26		

SCALE WEIGHT

Gross 100,900 LB m
Tare 44,380 LB/P.T.*
Net 56,520 LB m

GROSS & TARE

☒ Scale 1 ☐ Scale 2
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. ☐

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

CADMAN
HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562242	8:57:04AM	4/6/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG55TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		109.58 /	4	109.58

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	29.52		

SCALE WEIGHT
Gross 101,000 LB m
Tare 41,960 LB/P.T.*
Net 59,040 LB m

GROSS & TARE
☒ Scale 1 ☐ Scale 2
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. ☐

Received by Signature X See Shere

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

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HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562252	10:54:06AM	4/6/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG55TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		254.60 /	9	254.60

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	29.27		

SCALE WEIGHT

Gross 100,500 LB m
Tare 41,960 LB/P.T.*
Net 58,540 LB m

GROSS & TARE

☒ Scale 1 ☐ Scale 2
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. ☐

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

CADMAN
HEIDELBERG
(888) 322-5817 425-951-7100

WEIGHMASTER STATION
[illegible]
[illegible] Glenwood [illegible]
[illegible] Glenwood Avenue
Everett, WA 98213

TICKET NO. 1120562258	TICKET TIME [illegible]	DATE 1/8/2022	
Customer No. [illegible]	Payment Type Account	Customer Name J R HAYES & SONS INC	Order No. 78510
Customer Job No.	Customer PO.	Mag Rel.	Disp. Ord. #
Truck Type Truck & Trailer	Truck No. 2	Vehicle or License Plate No.	Trailer or License Plate No. / Zone
Haver/Carrier No.	Driver's Name	Delivered Ordered 343.86 /	Load No. 12 / Running Total 343.86

SW/P SWEDISH BLOCK 96
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99034	CLASS 2 SPILL INMP (TM)	20.82		

SCALE WEIGHT	GROSS & TARE		
Gross 132,100 lb		A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.	Fuel Surcharge
Tare 42,460 lb/Dirt	☐ Scale 1 ☐ Scale 2	LIABILITY WAIVER: Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Sales tax
Net 89,640 lb	X Sample Deputy Weighmaster		Total
Signature X	Received by Signature X	Print Name (Customer) X / Driver's Signature X	Standby Time
Arrive Job	Start Unloading / Finish Unloading	Standby Time / Customer's Initials X	This Tickets Grand Total

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WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562314	11:58:17AM	4/7/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Solo	TIG2TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		329.38 /	11	329.38

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	25.86		

SCALE WEIGHT

Gross 94,260 LB m
Tare 42,540 LB/P.T.*
Net 51,720 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2

X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature.	Received by Signature	Print Name (Customer)	Driver's Signature
[ ]	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

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WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO	1120562320	TICKET TIME	12:44:24PM	DATE	4/7/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	TIG3TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		425.59 /	14	425.59

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	31.58		

SCALE WEIGHT

Gross 106,120 LB m
Tare 42,960 LB/P.T.*
Net 63,160 LB m

GROSS & TARE

☒ Scale 1 ☐ Scale 2

X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. ☐

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

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WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562312	11:47:24AM	4/7/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG33TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		303.52 /	10	303.52

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	28.15		

SCALE WEIGHT

Gross 100,680 LB m
Tare 44,380 LB/P.T.*
Net 56,300 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2

X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

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WEIGHMASTER STATION
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Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	1120562285	TICKET TIME	8:52:41AM	DATE	4/7/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	TIG3TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		120.50 /	4	120.50

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	31.51		

SCALE WEIGHT

Gross 104,880 LB m
Tare 41,860 LB/P.T.*
Net 63,020 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Customer's Initials X

Arrive Job		Start Unloading		Finish Unloading		Standby Time	

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WEIGHMASTER STATION
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Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562276	8:09:51AM	4/7/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG33TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		26.70 /	1	26.70

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	26.70		

SCALE WEIGHT

Gross 97,780 LB m
Tare 44,380 LB/P.T.*
Net 53,400 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2

X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature.	Received by Signature	Print Name (Customer)	Driver's Signature	Customer's Initials
[ ]	X	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time	

#3

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WEIGHMASTER STATION
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Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562315	12:13:41PM	4/7/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG55TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		365.07 /	12	365.07

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	35.69		

SCALE WEIGHT

Gross 109,380 LB m
Tare 38,000 LB/P.T.*
Net 71,380 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Customer's Initials X

Arrive Job		Start Unloading		Finish Unloading		Standby Time	

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WEIGHMASTER STATION
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Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562281	8:26:31AM	4/7/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG2TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		55.55 /	2	55.55

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	28.85		

SCALE WEIGHT

Gross 100,240 LB m
Tare 42,540 LB/P.T.*
Net 57,700 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2

X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Customer's Initials X

Arrive Job		Start Unloading		Finish Unloading		Standby Time	

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WEIGHMASTER STATION
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Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562316	12:32:24PM	4/7/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG10TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		394.01 /	13	394.01

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	28.94		

SCALE WEIGHT

Gross 102,340 LB m
Tare 44,460 LB/P.T.*
Net 57,880 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature.	Received by Signature	Print Name (Customer)	Driver's Signature
[ ]	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

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WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562284	8:42:54AM	4/7/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG10TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		88.99 /	3	88.99

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	33.44		

SCALE WEIGHT

Gross 108,160 LB m
Tare 41,280 LB/P.T.*
Net 66,880 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2

X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

#2

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WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562296	10:28:27AM	4/7/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG55TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		213.24 /	7	213.24

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	33.45		

SCALE WEIGHT

Gross 104,900 LB *
Tare 38,000 LB/P.T.*
Net 66,900 LB *

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature.	Received by Signature	Print Name (Customer)	Driver's Signature
[ ]	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

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WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562298	10:45:41AM	4/7/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG10TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		243.93 /	8	243.93

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	30.69		

SCALE WEIGHT

Gross 105,840 LB *
Tare 44,460 LB/P.T.*
Net 61,380 LB *

GROSS & TARE

[X] Scale 1 [ ] Scale 2

X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

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WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	1120562295	TICKET TIME	10:13:33AM	DATE	4/7/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG2TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		179.79 /	6	179.79

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	31.75		

SCALE WEIGHT

Gross 106,040 LB m
Tare 42,540 LB/P.T.*
Net 63,500 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER
Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

CADMAN
HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562300	10:55:39AM	4/7/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	TIG3TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		275.37 /	9	275.37

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	31.44		

SCALE WEIGHT

Gross 105,840 LB *
Tare 42,960 LB/P.T.*
Net 62,880 LB *

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature.	Received by Signature	Print Name (Customer)	Driver's Signature
[ ]	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

CADMAN
HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562293	10:02:56AM	4/7/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Truck & Trailer	TIG33TT			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		148.04 /	5	148.04

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	27.54		

SCALE WEIGHT

Gross 99,460 LB m
Tare 44,380 LB/P.T.*
Net 55,080 LB m

GROSS & TARE

☒ Scale 1 ☐ Scale 2
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. ☐

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Customer's Initials X

Arrive Job		Start Unloading		Finish Unloading		Standby Time	

Computer Down - hand write

X

11205623288

32.08

CADMAN
HEIDELBERGCEMENT Group

Petroleum Contaminated Soil
Transport and Receiving Manifest
CUSTOMER: ***JR Hayes***

Replaces 11205623283

JOB NAME-BLOCK 95 ****CLASS 2 ONLY****

Generator/Property Owner	Transporter
Name: ***SWEDISH HOSPITAL SERVICES***	Name ***JR HAYES***
Address: ***600 BROADWAY STE 300.***	Address: ***22430 SE 231st Street***
City: ***SEATTLE*** ST: ***WA.*** ZIP: ***98122***	City: ***Maple Valley*** ST ZIP:
Telephone: ***425.922.3399***	Telephone:
Contact: ***MICAH DOLEN***	Contact:

Job Site Information	Receiving Facility
Address ***INTERSECTIONS OF BOREN & MINOR AVE / CHERRY & COLUMBIA STREETS***	**CADMAN GLENWOOD LANDFILL**
City: ***SEATTLE*** ST: ***WA*** ZIP: ***98122***	**909 SIEVERS DUECY WAY, EVERETT 98203**
Telephone: ***425.392.5722***	Phone: **425.210.8429**
Onsite Contact: ***RYAN ALSUP***	Contact: **Larry W. Baker**

Material Description	Class	Off-load Location
PETROLEUM CONT. SOIL	***2***	***GLENWOOD LANDFILL***

Truck #: TIG55TT

Driver Signature: Rupia

Scale Attendant Signature: Sm

Date/Time In: 4/7/22 ~~14:13~~ 8:30

Owner/ Authorized Agent

This is to certify that the accompanying material is the same as represented by the previously submitted analytical and is solely from the site listed on the CADMAN Contaminated Soil Site Information Sheet.

Authorized Signature [signature] Date 4/5/2022

***** Each incoming load must be accompanied by a completed manifest *****

Computer Down - hand write

X

1120562329

29.45

CADMAN
HEIDELBERGCEMENT Group

Petroleum Contaminated Soil
Transport and Receiving Manifest
CUSTOMER: ***JR Hayes***
JOB NAME-BLOCK 95 ****CLASS 2 ONLY****

Generator/Property Owner	Transporter
Name: ***SWEDISH HOSPITAL SERVICES***	Name ***JR HAYES***
Address: ***600 BROADWAY STE 300.***	Address: ***22430 SE 231st Street***
City: ***SEATTLE*** ST: ***WA.*** ZIP: ***98122***	City: ***Maple Valley*** ST ZIP:
Telephone: ***425.922.3399***	Telephone:
Contact: ***MICAH DOLEN***	Contact:

Job Site Information	Receiving Facility
Address ***INTERSECTIONS OF BOREN & MINOR AVE / CHERRY & COLUMBIA STREETS***	**CADMAN GLENWOOD LANDFILL**
City: ***SEATTLE*** ST: ***WA*** ZIP: ***98122***	**909 SIEVERS DUECY WAY, EVERETT 98203**
Telephone: ***425.392.5722***	Phone: **425.210.8429**
Onsite Contact: ***RYAN ALSUP***	Contact: **Larry W. Baker**

Material Description	Class	Off-load Location
PETROLEUM CONT. SOIL	***2***	***GLENWOOD LANDFILL***

Truck #: T3G10 11

Driver Signature: Adrian

Scale Attendant Signature: Sa

Date/Time In: 4/7/22 14:26

Owner/ Authorized Agent

This is to certify that the accompanying material is the same as represented by the previously submitted analytical and is solely from the site listed on the CADMAN Contaminated Soil Site Information Sheet.

Authorized Signature [signature] Date 4/5/2022

***** Each incoming load must be accompanied by a completed manifest *****

Computer Down - hand write

1120562331

X

CADMAN
HEIDELBERGCEMENT Group

3044

Petroleum Contaminated Soil
Transport and Receiving Manifest
CUSTOMER: ***JR Hayes***

JOB NAME-BLOCK 95 ****CLASS 2 ONLY****

Generator/Property Owner	Transporter
Name: ***SWEDISH HOSPITAL SERVICES***	Name ***JR HAYES***
Address: ***600 BROADWAY STE 300.***	Address: ***22430 SE 231st Street***
City: ***SEATTLE*** ST: ***WA.*** ZIP: ***98122***	City: ***Maple Valley*** ST ZIP:
Telephone: ***425.922.3399***	Telephone:
Contact: ***MICAH DOLEN***	Contact:

Job Site Information	Receiving Facility
Address ***INTERSECTIONS OF BOREN & MINOR AVE / CHERRY & COLUMBIA STREETS***	**CADMAN GLENWOOD LANDFILL**
City: ***SEATTLE*** ST: ***WA*** ZIP: ***98122***	**909 SIEVERS DUECY WAY, EVERETT 98203**
Telephone: ***425.392.5722***	Phone: **425.210.8429**
Onsite Contact: ***RYAN ALSUP***	Contact: **Larry W. Baker**

Material Description	Class	Off-load Location
PETROLEUM CONT. SOIL	***2***	***GLENWOOD LANDFILL***

Truck #: 1163 11

Driver Signature: Danny

Scale Attendant Signature: Date/Time In: 4/7/22 14:42

Owner/ Authorized Agent

This is to certify that the accompanying material is the same as represented by the previously submitted analytical and is solely from the site listed on the CADMAN Contaminated Soil Site Information Sheet.

Authorized Signature Date 4/5/2022

***** Each incoming load must be accompanied by a completed manifest *****

Computer Down - hand write

1120562327
33.03

CADMAN
HEIDELBERGCEMENT Group

X

Petroleum Contaminated Soil
Transport and Receiving Manifest
CUSTOMER: ***JR Hayes***

JOB NAME-BLOCK 95 ****CLASS 2 ONLY****

Generator/Property Owner	Transporter
Name: ***SWEDISH HOSPITAL SERVICES***	Name ***JR HAYES***
Address: ***600 BROADWAY STE 300.***	Address: ***22430 SE 231st Street***
City: ***SEATTLE*** ST: ***WA.*** ZIP: ***98122***	City: ***Maple Valley*** ST ZIP:
Telephone: ***425.922.3399***	Telephone:
Contact: ***MICAH DOLEN***	Contact:

Job Site Information	Receiving Facility
Address ***INTERSECTIONS OF BOREN & MINOR AVE / CHERRY & COLUMBIA STREETS***	**CADMAN GLENWOOD LANDFILL**
City: ***SEATTLE*** ST: ***WA*** ZIP: ***98122***	**909 SIEVERS DUECY WAY, EVERETT 98203**
Telephone: ***425.392.5722***	Phone: **425.210.8429**
Onsite Contact: ***RYAN ALSUP***	Contact: **Larry W. Baker**

Material Description	Class	Off-load Location
PETROLEUM CONT. SOIL	***2***	***GLENWOOD LANDFILL***

Truck #: TIG55TT

Driver Signature: Rubia

Scale Attendant Signature: SM Date/Time In: 4/7/22 14:10

Owner/ Authorized Agent

This is to certify that the accompanying material is the same as represented by the previously submitted analytical and is solely from the site listed on the CADMAN Contaminated Soil Site Information Sheet.

Authorized Signature [signature] Date 4/5/2022

***** Each incoming load must be accompanied by a completed manifest *****

Computer Down - hand write

X

1120562326
31.29

CADMAN
HEIDELBERGCEMENT Group

Petroleum Contaminated Soil
Transport and Receiving Manifest
CUSTOMER: ***JR Hayes***

JOB NAME-BLOCK 95 ****CLASS 2 ONLY****

Generator/Property Owner	Transporter
Name: ***SWEDISH HOSPITAL SERVICES***	Name ***JR HAYES***
Address: ***600 BROADWAY STE 300.***	Address: ***22430 SE 231st Street***
City: ***SEATTLE*** ST: ***WA.*** ZIP: ***98122***	City: ***Maple Valley*** ST ZIP:
Telephone: ***425.922.3399***	Telephone:
Contact: ***MICAH DOLEN***	Contact:

Job Site Information	Receiving Facility
Address ***INTERSECTIONS OF BOREN & MINOR AVE / CHERRY & COLUMBIA STREETS***	**CADMAN GLENWOOD LANDFILL**
City: ***SEATTLE*** ST: ***WA*** ZIP: ***98122***	**909 SIEVERS DUECY WAY, EVERETT 98203**
Telephone: ***425.392.5722***	Phone: **425.210.8429**
Onsite Contact: ***RYAN ALSUP***	Contact: **Larry W. Baker**

Material Description	Class	Off-load Location
PETROLEUM CONT. SOIL	***2***	***GLENWOOD LANDFILL***

Truck #: TIG211

Driver Signature: Khalob

Scale Attendant Signature:

Date/Time In: 4/7/22 13:58

Owner/ Authorized Agent

This is to certify that the accompanying material is the same as represented by the previously submitted analytical and is solely from the site listed on the CADMAN Contaminated Soil Site Information Sheet.

Authorized Signature [signature] Date 4/5/2022

***** Each incoming load must be accompanied by a completed manifest *****

Computer Down - hand write

X

1120562325

28.64

CADMAN
HEIDELBERGCEMENT Group

Petroleum Contaminated Soil
Transport and Receiving Manifest
CUSTOMER: ***JR Hayes***

JOB NAME-BLOCK 95 ****CLASS 2 ONLY****

Generator/Property Owner	Transporter
Name: ***SWEDISH HOSPITAL SERVICES***	Name ***JR HAYES***
Address: ***600 BROADWAY STE 300.***	Address: ***22430 SE 231st Street***
City: ***SEATTLE*** ST: ***WA.*** ZIP: ***98122***	City: ***Maple Valley*** ST ZIP:
Telephone: ***425.922.3399***	Telephone:
Contact: ***MICAH DOLEN***	Contact:

Job Site Information	Receiving Facility
Address ***INTERSECTIONS OF BOREN & MINOR AVE / CHERRY & COLUMBIA STREETS***	**CADMAN GLENWOOD LANDFILL**
City: ***SEATTLE*** ST: ***WA*** ZIP: ***98122***	**909 SIEVERS DUECY WAY, EVERETT 98203**
Telephone: ***425.392.5722***	Phone: **425.210.8429**
Onsite Contact: ***RYAN ALSUP***	Contact: **Larry W. Baker**

Material Description	Class	Off-load Location
PETROLEUM CONT. SOIL	2	***GLENWOOD LANDFILL***

Truck #: TIG3311

Driver Signature: Alex

Scale Attendant Signature:

Date/Time In: 4/7/22 13:45

Owner/ Authorized Agent

This is to certify that the accompanying material is the same as represented by the previously submitted analytical and is solely from the site listed on the CADMAN Contaminated Soil Site Information Sheet.

Authorized Signature _____ Date 4/5/2022

***** Each incoming load must be accompanied by a completed manifest *****

CADMAN
HEIDELBERGCEMENT Group
1-877-974-6537 360-254-7770

Time In: 12:00:00AM

TICKET NO.	1120562351	TICKET TIME	1:57:59PM	DATE	4/8/2022

CUSTOMER NO.	PAYMENT TYPE	CUSTOMER NAME	ORDER NO.
7846615	Account	J R HAYES & SONS INC	78516

WEIGHMASTER STATION
98795500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

CUSTOMER JOB NO	CUSTOMER P.O.	MAP REF	DISP ORD #
		/	

TRUCK TYPE	TRUCK NO.	Vehicle/License Plate #	Trailer/License Plate#	ZONE
Solo	JRH76TT		JRH76B	

HAULER/CARRIER #	DRIVER NAME	Delivered/Ordered	LOAD NO	Running Total
		282.71/	9	282.71

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	29.45		

Scale Weight
Gross 98,740 LB *
Tare 39,840 LB/P.T.*
Net 58,900 LB *

Gross & Tare
[X] [ ]
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
TOTAL	
Standby Time	

No one available to sign, customer waives receipt signature	Received by signature	Print name (Customer)	Driver's Signature
[ ]	X	X	

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials	This Ticket's Grand Total	

CADMAN
HEIDELBERGCEMENT Group
1-877-974-6537 360-254-7770

Time In: 12:00:00AM

TICKET NO.	1120562353	TICKET TIME	2:12:09PM	DATE	4/8/2022

CUSTOMER NO.	PAYMENT TYPE	CUSTOMER NAME	ORDER NO
7846615	Account	J R HAYES & SONS INC	78516

WEIGHMASTER STATION
99785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

CUSTOMER JOB NO.	CUSTOMER P.O.	MAP REF.	DISP. ORD #
		/	

TRUCK TYPE	TRUCK NO	Vehicle/License Plate #	Trailer/License Plate#	ZONE
Solo	TIG2TT			

HAULER/CARRIER #	DRIVER NAME	Delivered/Ordered	LOAD NO	Running Total
		311.99/	10	311.99

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	29.28		

Scale Weight
Gross 101,100 LB m
Tare 42,540 LB/P.T.*
Net 58,560 LB m

Gross & Tare
[X] [ ]
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line

Fuel Surcharge	
Sales Tax	
TOTAL	

No one available to sign, customer waives receipt signature [ ]	Received by signature X	Print name (Customer) X	Driver's Signature	Standby Time	

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials	This Ticket's Grand Total	

CADMAN
HEIDELBERGCEMENT Group
1-877-974-6537 360-254-7770

Time In: 12:00:00AM

TICKET NO	1120562346	TICKET TIME	11:57:00AM	DATE	4/8/2022

CUSTOMER NO	PAYMENT TYPE	CUSTOMER NAME	ORDER NO
7846615	Account	J R HAYES & SONS INC	78516

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

CUSTOMER JOB NO	CUSTOMER P.O	MAP REF	DISP. ORD #
		/	

TRUCK TYPE	TRUCK NO	Vehicle/License Plate #	Trailer/License Plate#	ZONE
Solo	TIG2TT			

HAULER/CARRIER #	DRIVER NAME	Delivered/Ordered	LOAD NO	Running Total
		253.26/	8	253.26

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	30.96		

Scale Weight
Gross 104,460 LB m
Tare 42,540 LB/P.T.*
Net 61,920 LB m

Gross & Tare
[X] [ ]
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER
Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line

Fuel Surcharge	
Sales Tax	
TOTAL	

No one available to sign, customer waives receipt signature	Received by signature	Print name (Customer)	Driver's Signature	Standby Time
[ ]	X	X		

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials	This Ticket's Grand Total

CADMAN
HEIDELBERGCEMENT Group
1-877-974-6537 360-254-7770

Time In: 12:00:00AM

TICKET NO.	1120562341	TICKET TIME	10:03:58AM	DATE	4/8/2022

CUSTOMER NO	PAYMENT TYPE	CUSTOMER NAME	ORDER NO
7846615	Account	J R HAYES & SONS INC	78516

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

CUSTOMER JOB NO	CUSTOMER P O	MAP REF	DISP ORD #
		/	

TRUCK TYPE	TRUCK NO.	Vehicle/License Plate #	Trailer/License Plate#	ZONE
Solo	T1G2TT			

HAULER/CARRIER #	DRIVER NAME	Delivered/Ordered	LOAD NO	Running Total
		158.30/	5	158.30

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	31.94		

Scale Weight
Gross 106,420 LB m
Tare 42,540 LB/P.T.*
Net 63,880 LB m

Gross & Tare
[X] [ ]
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME

LIABILITY WAIVER
Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
TOTAL	

No one available to sign, customer waives receipt signature	Received by signature	Print name (Customer)	Driver's Signature	Standby Time
[ ]	X	X		

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials	This Ticket's Grand Total	

CADMAN
HEIDELBERGCEMENT Group
1-877-974-6537 360-254-7770

Time In: 12:00:00AM

TICKET NO	1120562336	TICKET TIME	8:17:46AM	DATE	4/8/2022

CUSTOMER NO	PAYMENT TYPE	CUSTOMER NAME	ORDER NO
7846615	Account	J R HAYES & SONS INC	78516

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

CUSTOMER JOB NO	CUSTOMER P.O	MAP REF	DISP. ORD #
		/	

TRUCK TYPE	TRUCK NO.	Vehicle/License Plate #	Trailer/License Plate#	ZONE
Solo	T1G2TT			

HAULER/CARRIER #	DRIVER NAME	Delivered/Ordered	LOAD NO	Running Total
		96.29 /	3	96.29

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	32.57		

Scale Weight
Gross 107,680 LB m
Tare 42,540 LB/P.T.*
Net 65,140 LB m

Gross & Tare
[X] [ ]
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER
Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line

Fuel Surcharge	
Sales Tax	
TOTAL	

No one available to sign, customer waives receipt signature	Received by signature	Print name (Customer)	Driver's Signature	Standby Time
[ ]	X	X		

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials	This Ticket's Grand Total	

CADMAN
HEIDELBERGCEMENT Group
1-877-974-6537 360-254-7770

Time In: 12:00:00AM

TICKET NO.	1120562334	TICKET TIME	8:12:17AM	DATE	4/8/2022

CUSTOMER NO.	PAYMENT TYPE	CUSTOMER NAME	ORDER NO
7846615	Account	J R HAYES & SONS INC	78516

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

CUSTOMER JOB NO	CUSTOMER P O	MAP REF	DISP. ORD. #
		/	

TRUCK TYPE	TRUCK NO	Vehicle/License Plate #	Trailer/License Plate#	ZONE
Side Dump	JRH80TT			

HAULER/CARRIER #	DRIVER NAME	Delivered/Ordered	LOAD NO	Running Total
		30.28 /	1	30.28

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	30.28		

Scale Weight
Gross 101,500 LB m
Tare 40,940 LB/P.T.*
Net 60,560 LB m

Gross & Tare
[X] [ ]
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER
Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line

Fuel Surcharge	
Sales Tax	
TOTAL	

No one available to sign, customer waives receipt signature	Received by signature	Print name (Customer)	Driver's Signature	Standby Time
[ ]	X	X		

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials	This Ticket's Grand Total	

CADMAN
HEIDELBERGCEMENT Group
1-877-974-6537 360-254-7770

Time In: 8:20:42AM

TICKET NO	1120562340	TICKET TIME	9:58:45AM	DATE	4/8/2022

CUSTOMER NO.	PAYMENT TYPE	CUSTOMER NAME	ORDER NO.
7846615	Account	J R HAYES & SONS INC	78516

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

CUSTOMER JOB NO.	CUSTOMER P.O.	MAP REF	DISP. ORD #
		/	

TRUCK TYPE	TRUCK NO.	Vehicle/License Plate #	Trailer/License Plate#	ZONE
Side Dump	JRHBOTT			

HAULER/CARRIER #	DRIVER NAME	Delivered/Ordered	LOAD NO	Running Total
		126.36/	4	126.36

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	30.07		

Scale Weight
Gross 101,700 LB *
Tare 41,560 LB/P.T.*
Net 60,140 LB *

Gross & Tare
[X] [ ]
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER
Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line

Fuel Surcharge	
Sales Tax	
TOTAL	

No one available to sign, customer waives receipt signature	Received by signature	Print name (Customer)	Driver's Signature	Standby Time
[ ]	X	X		

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials	This Ticket's Grand Total	

CADMAN
HEIDELBERGCEMENT Group
1-877-974-6537 360-254-7770

Time In: 12:00:00AM

TICKET NO	1120562345	TICKET TIME	11:48:14AM	DATE	4/8/2022

CUSTOMER NO	PAYMENT TYPE	CUSTOMER NAME	ORDER NO
7846615	Account	J R HAYES & SONS INC	78516

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

CUSTOMER JOB NO	CUSTOMER P O	MAP REF	DISP. ORD #
		/	

TRUCK TYPE	TRUCK NO	Vehicle/License Plate #	Trailer/License Plate#	ZONE
Solo	JRH76TT		JRH76B	

HAULER/CARRIER #	DRIVER NAME	Delivered/Ordered	LOAD NO	Running Total
		222.30/	7	222.30

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	30.33		

Scale Weight
Gross 100,500 LB m
Tare 39,840 LB/P.T.*
Net 60,660 LB m

Gross & Tare
[X] [ ]
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME

LIABILITY WAIVER
Cadman, (Inc) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line

Fuel Surcharge	
Sales Tax	
TOTAL	

No one available to sign, customer waives receipt signature	Received by signature	Print name (Customer)	Driver's Signature	Standby Time
[ ]	X	X		

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials	This Ticket's Grand Total	

CADMAN
HEIDELBERGCEMENT Group
1-877-974-6537 360-254-7770

Time In: 6:23:26AM

TICKET NO.	1120562342	TICKET TIME	10:05:42AM	DATE	4/8/2022

CUSTOMER NO	PAYMENT TYPE	CUSTOMER NAME	ORDER NO
7846615	Account	J R HAYES & SONS INC	78516

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

CUSTOMER JOB NO.	CUSTOMER P.O	MAP REF	DISP. ORD. #
		/	

TRUCK TYPE	TRUCK NO	Vehicle/License Plate #	Trailer/License Plate#	ZONE
Solo	JRH76TT		JRH76B	

HAULER/CARRIER #	DRIVER NAME	Delivered/Ordered	LOAD NO	Running Total
		191.97/	6	191.97

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	33.67		

Scale Weight
Gross 107,180 LB *
Tare 39,840 LB/P.T.*
Net 67,340 LB *

Gross & Tare
[X] [ ]
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line

Fuel Surcharge	
Sales Tax	
TOTAL	

No one available to sign, customer waives receipt signature	Received by signature	Print name (Customer)	Driver's Signature	Standby Time
[ ]	X	X		

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials	This Ticket's Grand Total	

CADMAN
HEIDELBERGCEMENT Group
1-877-974-6537 360-254-7770

Time In: 12:00:00AM

TICKET NO.	1120562335	TICKET TIME	8:15:43AM	DATE	4/8/2022

CUSTOMER NO.	PAYMENT TYPE	CUSTOMER NAME	ORDER NO.
7846615	Account	J R HAYES & SONS INC	78516

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

CUSTOMER JOB NO.	CUSTOMER P.O.	MAP REF	DISP. ORD. #
		/	

TRUCK TYPE	TRUCK NO.	Vehicle/License Plate #	Trailer/License Plate#	ZONE
Solo	JRH76TT		JRH76B	

HAULER/CARRIER #	DRIVER NAME	Delivered/Ordered	LOAD NO	Running Total
		63.72/	2	63.72

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	33.44		

Scale Weight
Gross 105,660 LB m
Tare 38,780 LB/P.T.*
Net 66,880 LB m

Gross & Tare
[X] [ ]
X Sammie
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line

Fuel Surcharge	
Sales Tax	
TOTAL	

No one available to sign, customer waives receipt signature	Received by signature	Print name (Customer)	Driver's Signature	Standby Time
[ ]	X	X		

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials	This Ticket's Grand Total	

CADMAN
HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562356	8:53:34AM	4/11/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAN6			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		46.27 /	2	46.27

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	22.17		

SCALE WEIGHT

Gross 76,240 LB *
Tare 31,900 LB/P.T.*
Net 44,340 LB *

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

3

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WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562363	12:19:17PM	4/11/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super·Solo	VAN6			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		116.42 /	5	116.42

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	23.22		

SCALE WEIGHT

Gross 78,340 LB m
Tare 31,900 LB/P.T.*
Net 46,440 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2

X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

2

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WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562362	10:33:36AM	4/11/2023

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAN6			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		93.20 /	4	93.20

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	24.05		

SCALE WEIGHT

Gross 80,000 LB m
Tare 31,900 LB/P.T.*
Net 48,100 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Customer's Initials X

Arrive Job		Start Unloading		Finish Unloading		Standby Time	

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WEIGHMASTER STATION
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Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	1120562355	TICKET TIME	8:39:19AM	DATE	4/11/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAN5			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		24.10 /	1	24.10

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	24.10		

SCALE WEIGHT

Gross 80,200 LB m
Tare 32,000 LB/P.T.*
Net 48,200 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

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WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562361	10:31:34AM	4/11/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAN5			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		69.15 /	3	69.15

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	22.88		

SCALE WEIGHT

Gross 77,760 LB m
Tare 32,000 LB/P.T.*
Net 45,760 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

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WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562364	12:22:46PM	4/11/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAN5			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		140.89 /	6	140.89

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	24.47		

SCALE WEIGHT		GROSS & TARE
Gross	80,940 LB m	
Tare	32,000 LB/P.T.*	☒ Scale 1 ☐ Scale 2
Net	48,940 LB m	X Cate Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature.	Received by Signature	Print Name (Customer)	Driver's Signature
☐	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

CADMAN
HEIDELBERGCEMENT Group
1-877-974-6537 360-254-7770

Time In: 12:00:00AM

TICKET NO	1120562367	TICKET TIME	2:11:25PM	DATE	4/11/2022

CUSTOMER NO	PAYMENT TYPE	CUSTOMER NAME	ORDER NO
7846615	Account	J R HAYES & SONS INC	78516

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

CUSTOMER JOB NO	CUSTOMER P.O	MAP REF	DISP ORD #
		/	

TRUCK TYPE	TRUCK NO.	Vehicle/License Plate #	Trailer/License Plate#	ZONE
Super Solo	VAN6			

HAULER/CARRIER #	DRIVER NAME	Delivered/Ordered	LOAD NO	Running Total
		182.47/	8	182.47

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	20.20		

Scale Weight
Gross 72,300 LB m
Tare 31,900 LB/P.T.*
Net 40,400 LB m

Gross & Tare
[X] [ ]
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER
Cadman, (Inc.) will not assume liability for any property damage or any equipment damage for any delivery beyond the curb line

Fuel Surcharge	
Sales Tax	
TOTAL	

No one available to sign, customer waives receipt signature	Received by signature	Print name (Customer)	Driver's Signature	Standby Time
[ ]	X	X		

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials	This Ticket's Grand Total	

CADMAN
HEIDELBERGCEMENT Group
1-877-974-6537 360-254-7770

Time In: 12:00:00AM

TICKET NO	1120562366	TICKET TIME	2:09:59PM	DATE	4/11/2022

CUSTOMER NO	PAYMENT TYPE	CUSTOMER NAME	ORDER NO
7846615	Account	J R HAYES & SONS INC	78516

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

CUSTOMER JOB NO	CUSTOMER P.O	MAP REF	DISP ORD #
		/	

TRUCK TYPE	TRUCK NO	Vehicle/License Plate #	Trailer/License Plate#	ZONE
Super Solo	VAN5			

HAULER/CARRIER #	DRIVER NAME	Delivered/Ordered	LOAD NO	Running Total
		162.27/	7	162.27

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	21.38		

Scale Weight
Gross 74,760 LB m
Tare 32,000 LB/P.T.*
Net 42,760 LB m

Gross & Tare
[X] [ ]
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER
Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line

Fuel Surcharge	
Sales Tax	
TOTAL	

No one available to sign, customer waives receipt signature	Received by signature	Print name (Customer)	Driver's Signature	Standby Time
[ ]	X	X		

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials	This Ticket's Grand Total	

CADMAN
HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	1120562378	TICKET TIME	1:33:52PM	DATE	4/12/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Solo	JRH76			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		17.22 /	1	17.22

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	17.22		

SCALE WEIGHT

Gross 59,780 LB m
Tare 25,340 LB/P.T.*
Net 34,440 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER
Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]
Received by Signature X
Print Name (Customer) X
Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

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WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562393	8:42:10AM	4/13/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Solo	VAN1			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		48.28 /	2	48.28

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	25.95		

SCALE WEIGHT

Gross 83,960 LB *
Tare 32,060 LB/P.T.*
Net 51,900 LB *

GROSS & TARE

[X] Scale 1 [ ] Scale 2

X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature.	Received by Signature	Print Name (Customer)	Driver's Signature
[ ]	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

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HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562401	10:19:26AM	4/13/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Solo	VAN1			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		127.91 /	5	127.91

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	26.55		

SCALE WEIGHT

Gross 85,160 LB m
Tare 32,060 LB/P.T.*
Net 53,100 LB m

GROSS & TARE

☒ Scale 1 ☐ Scale 2

X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. ☐	Received by Signature	Print Name (Customer)	Driver's Signature
	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

CADMAN
HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562413	12:00:57PM	4/13/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Solo	VAN1			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		177.23 /	7	177.23

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	25.49		

SCALE WEIGHT

Gross 83,040 LB m
Tare 32,060 LB/P.T.*
Net 50,980 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

8 - ticket reprint - wrong date

CADMAN
HEIDELBERGCEMENTGroup®
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562405	10:43:44AM	4/13/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Solo	VAN4			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		154.93 /	6	154.93

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	23.29		

SCALE WEIGHT

Gross 79,320 LB *
Tare 32,740 LB/P.T.*
Net 46,580 LB *

GROSS & TARE

[X] Scale 1 [ ] Scale 2

X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature.	Received by Signature	Print Name (Customer)	Driver's Signature
[ ]	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

CADMAN
HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562406	10:44:14AM	4/13/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Solo	VAN4			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		151.74 /	6	151.74

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	27.02		

SCALE WEIGHT

Gross 86,780 LB *
Tare 32,740 LB/P.T.*
Net 54,040 LB *

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature.	Received by Signature	Print Name (Customer)	Driver's Signature
[ ]	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

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WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562420	12:32:09PM	4/13/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Solo	VAN4			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		220.08 /	9	220.08

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	21.08		

SCALE WEIGHT

Gross 74,900 LB m
Tare 32,740 LB/P.T.*
Net 42,160 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature.	Received by Signature	Print Name (Customer)	Driver's Signature
[ ]	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

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WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562433	2:20:05PM	4/13/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAND4			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		298.73 /	12	298.73

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	26.01		

SCALE WEIGHT

Gross 84,760 LB m
Tare 32,740 LB/P.T.*
Net 52,020 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

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HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213 1

TICKET NO.	TICKET TIME	DATE
1120562390	8:23:44AM	4/13/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAN6			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		22.33 /	1	22.33

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	22.33		

SCALE WEIGHT

Gross 76,560 LB m
Tare 31,900 LB/P.T.*
Net 44,660 LB m

GROSS & TARE

☒ Scale 1 ☐ Scale 2

X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. ☐	Received by Signature	Print Name (Customer)	Driver's Signature
	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

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WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562400	10:18:28AM	4/13/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAN6			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		101.36 /	4	101.36

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	26.60		

SCALE WEIGHT

Gross 85,100 LB m
Tare 31,900 LB/P.T.*
Net 53,200 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature.	Received by Signature	Print Name (Customer)	Driver's Signature
[ ]	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

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HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213
3

TICKET NO.	TICKET TIME	DATE
1120562417	12:12:24PM	4/13/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAN6			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		199.00 /	8	199.00

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	21.77		

SCALE WEIGHT

Gross 75,440 LB m
Tare 31,900 LB/P.T.*
Net 43,540 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature	Received by Signature	Print Name (Customer)	Driver's Signature
[ ]	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

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322-6847 425-961-7100

EIGHMASTER STATION
35500
cett Glenwood LND
) Glenwood Avenue
cett, WA 98213

TICKET NO.	1120562432	TICKET TIME	2:05:23PM	DATE	4/13

Customer No.	Payment Type	Customer Name	Order N
7846615	Account	J R HAYES & SONS INC	78

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAN6			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		272.72 /	11	27

P SWEDISH BLOCK 95
EN & MINOR / CHERRY & COLUMBIA
TTLE

CADMAN

Product	Description	Total	Unit Price	Am
99004	CLASS 2 SOILS DUMP (TN)	26.57		

WEIGHT	GROSS & TARE
85,040 LB m	
31,900 LB/P.T.*	☒ Scale 1 ☐ Scale 2
53,140 LB m	X Cate Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

le to sign, customer waives receipt	Received by Signature	Print Name (Customer)	Driver's Signature
☐	x Cathie	X	X

	Start Unloading		Finish Unloading		Standby Time		Customer's Initials
							X

ADMAN
DELBERGCEMENTGroup
322-6847 425-961-7100

EIGHMASTER STATION
35500
rett Glenwood LND
) Glenwood Avenue
rett, WA 98213

TICKET NO.	1120562429	TICKET TIME	1:56:05PM	DATE	4/13

Customer No.	Payment Type	Customer Name	Order N
7846615	Account	J R HAYES & SONS INC	78

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Solo	VAN1			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		246.15 /	10	24

'P SWEDISH BLOCK 95
EN & MINOR / CHERRY & COLUMBIA
TTLE

Product	Description	Total	Unit Price	Am
99004	CLASS 2 SOILS DUMP (TN)	26.07		

WEIGHT	GROSS & TARE
84,200 LB m	
32,060 LB/P.T.*	☒ Scale 1 ☐ Scale 2
52,140 LB m	X Cate Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	

le to sign, customer waives receipt	Received by Signature	Print Name (Customer)	Driver's Signature	Standby Time
☐	X John	X	X	

	Start Unloading		Finish Unloading		Standby Time		Customer's Initials	**This Tickets Grand Total**
							X	

CADMAN
HEIDELBERGCEMENT Group

1120962564
22.04

Petroleum Contaminated Soil
Transport and Receiving Manifest
CUSTOMER: ***JR Hayes***

JOB NAME-BLOCK 95 ****CLASS 2 ONLY****

Generator/Property Owner	Transporter
Name: ***SWEDISH HOSPITAL SERVICES***	Name ***JR HAYES***
Address: ***600 BROADWAY STE 300.***	Address: ***22430 SE 231st Street***
City: ***SEATTLE*** ST: ***WA.*** ZIP: ***98122***	City: ***Maple Valley*** ST ZIP:
Telephone: ***425.922.3399***	Telephone:
Contact: ***MICAH DOLEN***	Contact:

Job Site Information	Receiving Facility
Address ***INTERSECTIONS OF BOREN & MINOR AVE / CHERRY & COLUMBIA STREETS***	**CADMAN GLENWOOD LANDFILL**
City: ***SEATTLE*** ST: ***WA*** ZIP: ***98122***	**909 SIEVERS DUECY WAY, EVERETT 98203**
Telephone: ***425.392.5722***	Phone: **425.210.8429**
Onsite Contact: ***RYAN ALSUP***	Contact: **Larry W. Baker**

Material Description	Class	Off-load Location
PETROLEUM CONT. SOIL	***2***	***GLENWOOD LANDFILL***

Truck #: 6

Driver Signature: Callie

Scale Attendant Signature: CH Date/Time In: 4.20.22 9:48

Owner/ Authorized Agent

This is to certify that the accompanying material is the same as represented by the previously submitted analytical and is solely from the site listed on the CADMAN Contaminated Soil Site Information Sheet.

Authorized Signature [signature] Date 4/5/2022

***** Each incoming load must be accompanied by a completed manifest *****

CADMAN
HEIDELBERGCEMENT Group

1120962591
25.95

Petroleum Contaminated Soil
Transport and Receiving Manifest
CUSTOMER: ***JR Hayes***

JOB NAME-BLOCK 95 ****CLASS 2 ONLY****

Generator/Property Owner	Transporter
Name: ***SWEDISH HOSPITAL SERVICES***	Name ***JR HAYES***
Address: ***600 BROADWAY STE 300.***	Address: ***22430 SE 231st Street***
City: ***SEATTLE*** ST: ***WA.*** ZIP: ***98122***	City: ***Maple Valley*** ST ZIP:
Telephone: ***425.922.3399***	Telephone:
Contact: ***MICAH DOLEN***	Contact:

Job Site Information	Receiving Facility
Address ***INTERSECTIONS OF BOREN & MINOR AVE / CHERRY & COLUMBIA STREETS***	**CADMAN GLENWOOD LANDFILL**
City: ***SEATTLE*** ST: ***WA*** ZIP: ***98122***	**909 SIEVERS DUECY WAY, EVERETT 98203**
Telephone: ***425.392.5722***	Phone: **425.210.8429**
Onsite Contact: ***RYAN ALSUP***	Contact: **Larry W. Baker**

Material Description	Class	Off-load Location
PETROLEUM CONT. SOIL	***2***	***GLENWOOD LANDFILL***

Truck #: 6

Driver Signature: Callie

Scale Attendant Signature: CH Date/Time In: 4.20.22 1:12

Owner/ Authorized Agent

This is to certify that the accompanying material is the same as represented by the previously submitted analytical and is solely from the site listed on the CADMAN Contaminated Soil Site Information Sheet.

Authorized Signature [signature] Date 4/5/2022

***** Each incoming load must be accompanied by a completed manifest *****

CADMAN
HEIDELBERGCEMENT Group

1120562987
2600

Petroleum Contaminated Soil
Transport and Receiving Manifest
CUSTOMER: ***JR Hayes***

JOB NAME-BLOCK 95 ****CLASS 2 ONLY****

Generator/Property Owner	Transporter
Name: ***SWEDISH HOSPITAL SERVICES***	Name ***JR HAYES***
Address: ***600 BROADWAY STE 300.***	Address: ***22430 SE 231st Street***
City: ***SEATTLE*** ST: ***WA.*** ZIP: ***98122***	City: ***Maple Valley*** ST ZIP:
Telephone: ***425.922.3399***	Telephone:
Contact: ***MICAH DOLEN***	Contact:

Job Site Information	Receiving Facility
Address ***INTERSECTIONS OF BOREN & MINOR AVE / CHERRY & COLUMBIA STREETS***	**CADMAN GLENWOOD LANDFILL**
City: ***SEATTLE*** ST: ***WA*** ZIP: ***98122***	**909 SIEVERS DUECY WAY, EVERETT 98203**
Telephone: ***425.392.5722***	Phone: **425.210.8429**
Onsite Contact: ***RYAN ALSUP***	Contact: **Larry W. Baker**

Material Description	Class	Off-load Location
PETROLEUM CONT. SOIL	***2***	***GLENWOOD LANDFILL***

Truck #: 4

Driver Signature: Mike

Scale Attendant Signature: CH Date/Time In: 4.20.22 1:04

Owner/ Authorized Agent

This is to certify that the accompanying material is the same as represented by the previously submitted analytical and is solely from the site listed on the CADMAN Contaminated Soil Site Information Sheet.

Authorized Signature [signature] Date 4/5/2022

***** Each incoming load must be accompanied by a completed manifest *****

CADMAN
HEIDELBERGCEMENT Group
1-877-974-6537 360-254-7770

Time In: 12:00:00AM

TICKET NO	1120562588	TICKET TIME	1:05:11PM	DATE	4/20/2022

CUSTOMER NO.	PAYMENT TYPE	CUSTOMER NAME	ORDER NO.
7846615	Account	J R HAYES & SONS INC	78516

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

CUSTOMER JOB NO.	CUSTOMER P.O.	MAP REF.	DISP. ORD. #
		/	

TRUCK TYPE	TRUCK NO.	Vehicle/License Plate #	Trailer/License Plate#	ZONE
Super Solo	VAND4			

HAULER/CARRIER #	DRIVER NAME	Delivered/Ordered	LOAD NO	Running Total
		219.31/	9	219.31

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	24.99		

Scale Weight
Gross 82,720 LB *
Tare 32,740 LB/P.T.*
Net 49,980 LB *

Gross & Tare
[X] [ ]
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER
Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
TOTAL	

No one available to sign, customer waives receipt signature	Received by signature	Print name (Customer)	Driver's Signature	Standby Time
[ ]	X	X		

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials	This Ticket's Grand Total	

CADMAN
HEIDELBERGCEMENT Group
1-877-974-6537 360-254-7770

Time In: 12:00:00AM

TICKET NO	1120562589	TICKET TIME	1:05:35PM	DATE	4/20/2022

CUSTOMER NO.	PAYMENT TYPE	CUSTOMER NAME	ORDER NO.
7846615	Account	J R HAYES & SONS INC	78516

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

CUSTOMER JOB NO	CUSTOMER P O	MAP REF	DISP ORD #
		/	

TRUCK TYPE	TRUCK NO	Vehicle/License Plate #	Trailer/License Plate#	ZONE
Super Solo	VAND4			

HAULER/CARRIER #	DRIVER NAME	Delivered/Ordered	LOAD NO	Running Total
		216.16/	9	216.16

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	23.86		

Scale Weight		Gross & Tare
Gross	80,460 LB *	[X] [ ]
Tare	32,740 LB/P.T.*	X Cate
Net	47,720 LB *	Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line

Fuel Surcharge	
Sales Tax	
TOTAL	

No one available to sign, customer waives receipt signature	Received by signature	Print name (Customer)	Driver's Signature	Standby Time
[ ]	X	X		

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials	This Ticket's Grand Total	

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(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562567	9:59:39AM	4/20/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAN5			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		96.65 /	4	96.65

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	24.44		

SCALE WEIGHT

Gross 80,720 LB *
Tare 31,840 LB/P.T.*
Net 48,880 LB *

GROSS & TARE

[X] Scale 1 [ ] Scale 2

X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]	Received by Signature	Print Name (Customer)	Driver's Signature
	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

CADMAN
HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562579	11:39:40AM	4/20/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAN5			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		171.99 /	7	171.99

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	23.95		

SCALE WEIGHT

Gross 79,740 LB m
Tare 31,840 LB/P.T.*
Net 47,900 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER
Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]
Received by Signature X
Print Name (Customer) X
Driver's Signature X
Customer's Initials X

Arrive Job		Start Unloading		Finish Unloading		Standby Time	

CADMAN
HEIDELBERGCEMENT Group

1120962592
21.93

Petroleum Contaminated Soil
Transport and Receiving Manifest
CUSTOMER: ***JR Hayes***

JOB NAME-BLOCK 95 ****CLASS 2 ONLY****

Generator/Property Owner	Transporter
Name: ***SWEDISH HOSPITAL SERVICES***	Name ***JR HAYES***
Address: ***600 BROADWAY STE 300.***	Address: ***22430 SE 231st Street***
City: ***SEATTLE*** ST: ***WA.*** ZIP: ***98122***	City: ***Maple Valley*** ST ZIP:
Telephone: ***425.922.3399***	Telephone:
Contact: ***MICAH DOLEN***	Contact:

Job Site Information	Receiving Facility
Address ***INTERSECTIONS OF BOREN & MINOR AVE / CHERRY & COLUMBIA STREETS***	**CADMAN GLENWOOD LANDFILL**
City: ***SEATTLE*** ST: ***WA*** ZIP: ***98122***	**909 SIEVERS DUECY WAY, EVERETT 98203**
Telephone: ***425.392.5722***	Phone: **425.210.8429**
Onsite Contact: ***RYAN ALSUP***	Contact: **Larry W. Baker**

Material Description	Class	Off-load Location
PETROLEUM CONT. SOIL	***2***	***GLENWOOD LANDFILL***

Truck #: 5

Driver Signature: Amanda

Scale Attendant Signature: CH Date/Time In: 4.20.22 1:23

Owner/ Authorized Agent

This is to certify that the accompanying material is the same as represented by the previously submitted analytical and is solely from the site listed on the CADMAN Contaminated Soil Site Information Sheet.

Authorized Signature [signature] Date 4/5/2022

***** Each incoming load must be accompanied by a completed manifest *****

CADMAN
HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562560	9:11:57AM	4/20/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Solo	VAN1			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		23.16 /	1	23.16

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	23.16		

SCALE WEIGHT
Gross 78,380 LB m
Tare 32,060 LB/P.T.
Net 46,320 LB m

GROSS & TARE
☒ Scale 1 ☐ Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER
Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. ☐
Received by Signature X
Print Name (Customer) X
Driver's Signature X
Customer's Initials X

Arrive Job		Start Unloading		Finish Unloading		Standby Time	

CADMAN
HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562573	10:58:37AM	4/20/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Solo	VAN1			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		119.90 /	5	119.90

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	23.25		

SCALE WEIGHT

Gross 78,560 LB m
Tare 32,060 LB/P.T.*
Net 46,500 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

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HEIDELBERGCEMENTGroup®
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	1120562586	TICKET TIME	12:59:50PM	DATE	4/20/2022
Customer No.	Payment Type	Customer Name			Order No.
7846615	Account	J R HAYES & SONS INC			78516
Customer Job. No.	Customer P.O.			Map Ref.	Disp. Ord. #
				/	
Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone	
Solo	VAN1				
Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total	
		196.46 /	8	196.46	

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	24.47		

SCALE WEIGHT

Gross 81,000 LB m
Tare 32,060 LB/P.T.*
Net 48,940 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Customer's Initials X

Arrive Job		Start Unloading		Finish Unloading		Standby Time	

4-21-22

CADMAN
HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	1120562603	TICKET TIME	10:40:28AM	DATE	4/21/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAN6			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		22.41 /	1	22.41

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	22.41		

SCALE WEIGHT		GROSS & TARE
Gross	76,720 LB m	[X] Scale 1 [ ] Scale 2
Tare	31,900 LB/P.T.*	X Cate
Net	44,820 LB m	Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature.	Received by Signature	Print Name (Customer)	Driver's Signature
[ ]	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

CADMAN
HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562606	12:25:57PM	4/21/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAN6			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		46.10 /	2	46.10

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	23.69		

SCALE WEIGHT

Gross 79,280 LB m
Tare 31,900 LB/P.T.*
Net 47,380 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2

X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

CADMAN
HEIDELBERGCEMENT Group
1-877-974-6537 360-254-7770

Time In: 12:00:00AM

TICKET NO	1120562609	TICKET TIME	2:12:19PM	DATE	4/21/2022

CUSTOMER NO.	PAYMENT TYPE	CUSTOMER NAME	ORDER NO.
7846615	Account	J R HAYES & SONS INC	78516

WEIGHMASTER STATION
99785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

CUSTOMER JOB NO.	CUSTOMER P.O.	MAP REF.	DISP. ORD. #
		/	

TRUCK TYPE	TRUCK NO.	Vehicle/License Plate #	Trailer/License Plate#	ZONE
Super Solo	VAN6			

HAULER/CARRIER #	DRIVER NAME	Delivered/Ordered	LOAD NO.	Running Total
		69.18/	3	69.18

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	23.08		

Scale Weight
Gross 78,060 LB m
Tare 31,900 LB/P.T.*
Net 46,160 LB m

Gross & Tare
[X] [ ]
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER
Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line

Fuel Surcharge	
Sales Tax	
TOTAL	
Standby Time	
This Ticket's Grand Total	

No one available to sign, customer waives receipt signature	Received by signature	Print name (Customer)	Driver's Signature
[ ]	X	X	

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials

CADMAN
HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562752	8:28:06AM	5/3/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAND4			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		23.28 /	1	23.28

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

19658

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	23.28		

SCALE WEIGHT

Gross 79,300 LB m
Tare 32,740 LB/P.T.*
Net 46,560 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature.	Received by Signature	Print Name (Customer)	Driver's Signature
[ ]	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

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HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	1120562753	TICKET TIME	8:32:36AM	DATE	5/3/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAN5			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		47.93 /	2	47.93

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	24.65		

SCALE WEIGHT

Gross 81,000 LB m
Tare 31,700 LB/P.T.*
Net 49,300 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Customer's Initials X

Arrive Job		Start Unloading		Finish Unloading		Standby Time	

2

CADMAN
HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	1120562766	TICKET TIME	10:42:34AM	DATE	5/3/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAND4			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		73.63 /	3	73.63

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	25.70		

SCALE WEIGHT

Gross 84,140 LB m
Tare 32,740 LB/P.T.*
Net 51,400 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature	Received by Signature	Print Name (Customer)	Driver's Signature
[ ]	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

CADMAN
HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562767	10:58:31AM	5/3/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAN5			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		98.53 /	4	98.53

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	24.90		

SCALE WEIGHT

Gross 81,500 LB m
Tare 31,700 LB/P.T.*
Net 49,800 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2

X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

3

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(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562776	12:23:15PM	5/3/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAND4			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		122.99 /	5	122.99

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	24.46		

SCALE WEIGHT

Gross 81,660 LB m
Tare 32,740 LB/P.T.*
Net 48,920 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature.	Received by Signature	Print Name (Customer)	Driver's Signature
[ ]	X	X	X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials
								X

CADMAN
HEIDELBERGCEMENTGroup
(888) 322-6847 425-961-7100

WEIGHMASTER STATION
98785500
Everett Glenwood LND
6300 Glenwood Avenue
Everett, WA 98213

TICKET NO.	TICKET TIME	DATE
1120562777	12:35:39PM	5/3/2022

Customer No.	Payment Type	Customer Name	Order No.
7846615	Account	J R HAYES & SONS INC	78516

Customer Job. No.	Customer P.O.	Map Ref.	Disp. Ord. #
		/	

Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Super Solo	VAN5			

Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total
		146.51 /	6	146.51

EV/P SWEDISH BLOCK 95
BOREN & MINOR / CHERRY & COLUMBIA
SEATTLE

Product	Description	Total	Unit Price	Amount
99004	CLASS 2 SOILS DUMP (TN)	23.52		

SCALE WEIGHT

Gross 78,740 LB m
Tare 31,700 LB/P.T.*
Net 47,040 LB m

GROSS & TARE

[X] Scale 1 [ ] Scale 2
X Cate
Deputy Weighmaster

A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.

LIABILITY WAIVER

Cadman Materials, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.

Fuel Surcharge	
Sales Tax	
Total	
Standby Time	
This Tickets Grand Total	

No one available to sign, customer waives receipt signature. [ ]

Received by Signature X

Print Name (Customer) X

Driver's Signature X

Arrive Job		Start Unloading		Finish Unloading		Standby Time		Customer's Initials X

CADMAN
HEIDELBERGCEMENT Group

1120962784
24.00

Petroleum Contaminated Soil
Transport and Receiving Manifest
CUSTOMER: ***JR Hayes***

JOB NAME-BLOCK 95 ****CLASS 2 ONLY****

Generator/Property Owner	Transporter
Name: ***SWEDISH HOSPITAL SERVICES***	Name ***JR HAYES***
Address: ***600 BROADWAY STE 300.***	Address: ***22430 SE 231st Street***
City: ***SEATTLE*** ST: ***WA.*** ZIP: ***98122***	City: ***Maple Valley*** ST ZIP:
Telephone: ***425.922.3399***	Telephone:
Contact: ***MICAH DOLEN***	Contact:

Job Site Information	Receiving Facility
Address ***INTERSECTIONS OF BOREN & MINOR AVE / CHERRY & COLUMBIA STREETS***	**CADMAN GLENWOOD LANDFILL**
City: ***SEATTLE*** ST: ***WA*** ZIP: ***98122***	**909 SIEVERS DUECY WAY, EVERETT 98203**
Telephone: ***425.392.5722***	Phone: **425.210.8429**
Onsite Contact: ***RYAN ALSUP***	Contact: **Larry W. Baker**

Material Description	Class	Off-load Location
PETROLEUM CONT. SOIL	***2***	***GLENWOOD LANDFILL***

Truck #: 4

Driver Signature: Mike

Scale Attendant Signature: CH Date/Time In: 5-3-22 2:04

Owner/ Authorized Agent

This is to certify that the accompanying material is the same as represented by the previously submitted analytical and is solely from the site listed on the CADMAN Contaminated Soil Site Information Sheet.

Authorized Signature [signature] Date 4/5/2022

***** Each incoming load must be accompanied by a completed manifest *****

CADMAN
HEIDELBERGCEMENT Group

1120962786
23.10

Petroleum Contaminated Soil
Transport and Receiving Manifest
CUSTOMER: ***JR Hayes***

JOB NAME-BLOCK 95 *****CLASS 2 ONLY*****

Generator/Property Owner	Transporter
Name: ***SWEDISH HOSPITAL SERVICES***	Name ***JR HAYES***
Address: ***600 BROADWAY STE 300.***	Address: ***22430 SE 231st Street***
City: ***SEATTLE*** ST: ***WA.*** ZIP: ***98122***	City: ***Maple Valley*** ST ZIP:
Telephone: ***425.922.3399***	Telephone:
Contact: ***MICAH DOLEN***	Contact:

Job Site Information	Receiving Facility
Address ***INTERSECTIONS OF BOREN & MINOR AVE / CHERRY & COLUMBIA STREETS***	**CADMAN GLENWOOD LANDFILL**
City: ***SEATTLE*** ST: ***WA*** ZIP: ***98122***	**909 SIEVERS DUECY WAY, EVERETT 98203**
Telephone: ***425.392.5722***	Phone: **425.210.8429**
Onsite Contact: ***RYAN ALSUP***	Contact: **Larry W. Baker**

Material Description	Class	Off-load Location
PETROLEUM CONT. SOIL	***2***	***GLENWOOD LANDFILL***

Truck #: 5

Driver Signature: Jeremy

Scale Attendant Signature: CH Date/Time In: 5.3.22 2:14

Owner/ Authorized Agent

This is to certify that the accompanying material is the same as represented by the previously submitted analytical and is solely from the site listed on the CADMAN Contaminated Soil Site Information Sheet.

Authorized Signature [signature] Date 4/5/2022

***** Each incoming load must be accompanied by a completed manifest *****

SITE **REGIONAL DISPOSAL INTERMODAL 425-977-4127**
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005023	CELL
WEIGHMASTER	IN - Karyn B. OUT - LARRY C.	
DATE/TIME IN 4/11/22 7:51 am		DATE/TIME OUT 4/11/22 7:57 am
VEHICLE 5 PPI		CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	78,580	NET TONS	22.92
SCALE OUT	TARE WEIGHT	32,740	NET WEIGHT	45,840

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
22.92	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (04/19)

SIGNATURE _____

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005026	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 4/11/22 8:46 am		DATE/TIME OUT 4/11/22 8:46 am
VEHICLE 5 PPI		CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	90,300	NET TONS	28.78
TARE OUT	TARE WEIGHT	32,740	NET WEIGHT	57,560

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
28.78	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
TENDERED
CHANGE
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RS-F042UPR (04/19)

SIGNATURE_____

SITE	
REGIONAL DISPOSAL INTERMODAL 425-977-4127 3rd and lander -Seattle, WA	

SITE	TICKET #	CELL
01	1005029	
WEIGHMASTER	Karyn B.	
DATE/TIME IN	4/11/22 9:40 am	DATE/TIME OUT 4/11/22 9:40 am
VEHICLE	5 PPI	CONTAINER
REFERENCE		
BILL OF LADING		

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SCALE IN	GROSS WEIGHT	78,680	NET TONS	22.97
TARE OUT	TARE WEIGHT	32,740	NET WEIGHT	45,940

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
22.97	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature _____

NET AMOUNT
TENDERED
CHANGE
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RS-F042UPR (04/19)

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SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005034	CELL	
WEIGHMASTER	Karyn B.		
DATE/TIME IN	4/11/22 10:30 am	DATE/TIME OUT	4/11/22 10:30 am
VEHICLE	5 PPI	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	84,440	NET TONS	25.85	INBOUND
TARE OUT	TARE WEIGHT	32,740	NET WEIGHT	51,700	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.85	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature _____

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (04/19)

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SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005038	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 4/11/22 11:17 am		DATE/TIME OUT 4/11/22 11:17 am
VEHICLE 5 PPI		CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	78,900	NET TONS	23.08
TARE OUT	TARE WEIGHT	32,740	NET WEIGHT	46,160

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.08	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (04/19)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and Lander Seattle, WA

CUSTOMER

010262
JP Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE	TICKET #	CELL
01	1005043	

WEIGHMASTER: Nikole A.

DATE/TIME IN: 4/11/22 12:17 pm

DATE/TIME OUT: 4/11/22 12:17 pm

VEHICLE: 5-PRT

CONTAINER

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 83,200 NET TONS 25.23
TARE OUT TARE WEIGHT 32,740 NET WEIGHT 50,460

INBOUND
INVOICE

Qty	Unit	Description	Rate	Extension	Tax	Total
0.00	YD	Tracking QTY				
25.23	TO	SW-SOIL Origin:SEATTLE/KING 100%				

25.23

Signature

NET AMOUNT

TENDERED

CHANGE

CHECK#

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SIGNATURE

RS-F042UPR (04/19)

SITE	
	REGIONAL DISPOSAL INTERMODAL 425-977-4127 3rd and lander -Seattle, WA

CUSTOMER	
	010282 JR Hayes & Sons 22430 SE 231st Maple Valley, WA 98038 Contract:TB-4007

SITE	TICKET #	CELL
01	1005024	
WEIGHMASTER	Karyn B.	
DATE/TIME IN	4/11/22 8:03 am	DATE/TIME OUT 4/11/22 8:12 am
VEHICLE	16 LACY	CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	81,380	NET TONS	24.11	INBOUND
SCALE OUT	TARE WEIGHT	33,160	NET WEIGHT	48,220	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.11	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
TENDERED
CHANGE
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SITE
REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005028	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 4/11/22 9:07 am		DATE/TIME OUT 4/11/22 9:07 am
VEHICLE 16 LACY		CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	79,260	NET TONS	23.05
TARE OUT	TARE WEIGHT	33,160	NET WEIGHT	46,100

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.05	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (04/19)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005032	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 4/11/22 10:04 am	DATE/TIME OUT 4/11/22 10:04 am	
VEHICLE 16 LACY	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	81,100	NET TONS	23.97	INBOUND
TARE OUT	TARE WEIGHT	33,160	NET WEIGHT	47,940	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.97	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature _____

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (04/19)

SIGNATURE _____

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005037	CELL	
WEIGHMASTER	Karyn B.		
DATE/TIME IN	4/11/22 10:58 am	DATE/TIME OUT	4/11/22 10:58 am
VEHICLE	16 LACY	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	80,320	NET TONS	23.58	INBOUND
TARE OUT	TARE WEIGHT	33,160	NET WEIGHT	47,160	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.58	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (04/19)

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SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005040	CELL
WEIGHMASTER Karyn B.		
DATE/TIME IN 4/11/22 11:46 am	DATE/TIME OUT 4/11/22 11:46 am	
VEHICLE 16 LACY		CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	79,260	NET TONS	23.05	INBOUND
TARE OUT	TARE WEIGHT	33,160	NET WEIGHT	46,100	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.05	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature _____

NET AMOUNT
TENDERED
CHANGE
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SIGNATURE _____

REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander Seattle, WA

CUSTOMER
010282
JH Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE | TICKET # 1005046 | CELL
WEIGHMASTER
DATE/TIME IN | DATE/TIME OUT
VEHICLE | CONTAINER
REFERENCE
BILL OF LADING

OUTBOUND
INVOICE

SCALE IN GROSS WEIGHT 76,360 NET TONS 21.60
TARE OUT TARE WEIGHT 33,160 NET WEIGHT 43,200

QTY	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
21.60	tn	SW-CONT SOIL Origin:SEATTLE/KING 1001				

21.60

Signature

NET AMOUNT
TENDERED
CHANGE
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SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005069	CELL
WEIGHMASTER Michael G.		
DATE/TIME IN 4/12/22 8:42 am	DATE/TIME OUT 4/12/22 8:42 am	
VEHICLE 76 J R HAYES	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	52,120	NET TONS	13.54
TARE OUT	TARE WEIGHT	25,040	NET WEIGHT	27,080

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.54	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
TENDERED
CHANGE
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RS-F042UPR (04/19)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005062	CELL
WEIGHMASTER Michael G.		
DATE/TIME IN 4/12/22 7:58 am		DATE/TIME OUT 4/12/22 8:05 am
VEHICLE 76 J R HAYES		CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	54,940	NET TONS	14.95
SCALE OUT	TARE WEIGHT	25,040	NET WEIGHT	29,900

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.95	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature _____

NET AMOUNT
TENDERED
CHANGE
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SITE
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3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005107	CELL
WEIGHMASTER Michael G.		
DATE/TIME IN 4/12/22 12:22 pm	DATE/TIME OUT 4/12/22 12:22 pm	
VEHICLE 76 J R HAYES	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	56,480	NET TONS	15.72
TARE OUT	TARE WEIGHT	25,040	NET WEIGHT	31,440

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
15.72	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature _____

NET AMOUNT
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SITE **REGIONAL DISPOSAL INTERMODAL 425-977-4127**
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005088	CELL
WEIGHMASTER Michael G.		
DATE/TIME IN 4/12/22 10:18 am	DATE/TIME OUT 4/12/22 10:18 am	
VEHICLE 76 J R HAYES	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	55,000	NET TONS	14.98	INBOUND
TARE OUT	TARE WEIGHT	25,040	NET WEIGHT	29,960	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.98	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

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3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005080	CELL
WEIGHMASTER Michael G.		
DATE/TIME IN 4/12/22 9:37 am		DATE/TIME OUT 4/12/22 9:37 am
VEHICLE 76 J R HAYES		CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	56,580	NET TONS	15.77
TARE OUT	TARE WEIGHT	25,040	NET WEIGHT	31,540

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
15.77	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

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3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005094	CELL
WEIGHMASTER Michael G.		
DATE/TIME IN 4/12/22 11:05 am	DATE/TIME OUT 4/12/22 11:05 am	
VEHICLE 76 J R HAYES		CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	55,740	NET TONS	15.35
TARE OUT	TARE WEIGHT	25,040	NET WEIGHT	30,700

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
15.35	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
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SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005101	CELL
WEIGHMASTER Michael G.		
DATE/TIME IN 4/12/22 11:38 am	DATE/TIME OUT 4/12/22 11:38 am	
VEHICLE 76 J R HAYES	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	56,860	NET TONS	15.91	INBOUND
TARE OUT	TARE WEIGHT	25,040	NET WEIGHT	31,820	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
15.91	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
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SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005105	CELL
WEIGHMASTER Michael G.		
DATE/TIME IN 4/12/22 12:08 pm	DATE/TIME OUT 4/12/22 12:08 pm	
VEHICLE 6 VAN DAELE		CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	83,700	NET TONS	25.93
TARE OUT	TARE WEIGHT	31,840	NET WEIGHT	51,860

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.93	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
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CHANGE
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SIGNATURE _____

SITE	REGIONAL DISPOSAL INTERMODAL 425-977-4127 3rd and lander -Seattle, WA		
CUSTOMER	010282 JR Hayes & Sons 22430 SE 231st Maple Valley, WA 98038 Contract:TB-4007		

SITE 01	TICKET # 1005097	CELL	
WEIGHMASTER	Michael G.		
DATE/TIME IN	4/12/22 11:15 am	DATE/TIME OUT	4/12/22 11:15 am
VEHICLE	6 VAN DAELE	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	81,640	NET TONS	24.90	INBOUND
TARE OUT	TARE WEIGHT	31,840	NET WEIGHT	49,800	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.90	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
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3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005079	CELL
WEIGHMASTER Michael G.		
DATE/TIME IN 4/12/22 9:33 am	DATE/TIME OUT 4/12/22 9:33 am	
VEHICLE 6 VAN DAELE	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	79,360	NET TONS	23.76
TARE OUT	TARE WEIGHT	31,840	NET WEIGHT	47,520

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.76	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (04/19)

SIGNATURE _____

SITE **REGIONAL DISPOSAL INTERMODAL 425-977-4127**
3rd and lander -Seattle, WA

CUSTOMER 10282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005068	CELL
WEIGHMASTER	Michael G.	
DATE/TIME IN	4/12/22 8:30 am	DATE/TIME OUT 4/12/22 8:41 am
VEHICLE	6 VAN DAELE	CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	76,940	NET TONS	22.55
SCALE OUT	TARE WEIGHT	31,840	NET WEIGHT	45,100

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
22.55	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature

1

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (04/19)

SIGNATURE

SITE	REGIONAL DISPOSAL INTERMODAL 425-977-4127 3rd and lander -Seattle, WA		
CUSTOMER	010282 JR Hayes & Sons 22430 SE 231st Maple Valley, WA 98038 Contract:TB-4007		

SITE 01	TICKET # 1005091	CELL	
WEIGHMASTER	Michael G.		
DATE/TIME IN	4/12/22 10:25 am	DATE/TIME OUT	4/12/22 10:25 am
VEHICLE	6 VAN DAELE	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	83,040	NET TONS	25.60	INBOUND
TARE OUT	TARE WEIGHT	31,840	NET WEIGHT	51,200	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.60	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (04/19)

SIGNATURE _____

SITE **REGIONAL DISPOSAL INTERMODAL 425-977-4127**
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005112	CELL
WEIGHMASTER Nikole A.		
DATE/TIME IN 4/12/22 1:03 pm	DATE/TIME OUT 4/12/22 1:03 pm	
VEHICLE 6 VAN DAELE	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT	83,700	NET TONS	25.93	INBOUND
TARE OUT TARE WEIGHT	31,840	NET WEIGHT	51,860	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.93	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
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RS-F042UPR (04/19)

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SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005164	CELL	
WEIGHMASTER Michael G.			
DATE/TIME IN 4/14/22 9:37 am		DATE/TIME OUT 4/14/22 9:37 am	
VEHICLE 16 LACY		CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	84,480	NET TONS	25.73	INBOUND
TARE OUT	TARE WEIGHT	33,020	NET WEIGHT	51,460	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
25.73	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
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RS-F042UPR (04/19)

SIGNATURE _____

SITE	
REGIONAL DISPOSAL INTERMODAL 425-977-4127 3rd and lander -Seattle, WA	

SITE 01	TICKET # 1005159	CELL
WEIGHMASTER	Michael G.	
DATE/TIME IN 4/14/22 8:35 am		DATE/TIME OUT 4/14/22 8:35 am
VEHICLE 16 LACY		CONTAINER
REFERENCE		
BILL OF LADING		

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SCALE IN	GROSS WEIGHT	77,400	NET TONS	22.19	INBOUND
TARE OUT	TARE WEIGHT	33,020	NET WEIGHT	44,380	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
22.19	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

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RS-F042UPR (04/19)

SIGNATURE _____

SITE **REGIONAL DISPOSAL INTERMODAL 425-977-4127**
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005158	CELL
WEIGHMASTER Michael G.		
DATE/TIME IN 4/14/22 7:46 am		DATE/TIME OUT 4/14/22 7:57 am
VEHICLE 16 LACY		CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	82,780	NET TONS	24.88	INBOUND
SCALE OUT	TARE WEIGHT	33,020	NET WEIGHT	49,760	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.88	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature _____

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RS-F042UPR (04/19)

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SITE **REGIONAL DISPOSAL INTERMODAL 425-977-4127**
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005174	CELL	
WEIGHMASTER	Michael G.		
DATE/TIME IN	4/14/22 12:08 pm	DATE/TIME OUT	4/14/22 12:08 pm
VEHICLE	16 LACY	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	81,020	NET TONS	24.00	INBOUND
TARE OUT	TARE WEIGHT	33,020	NET WEIGHT	48,000	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.00	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

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RS-F042UPR (04/19)

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SITE **REGIONAL DISPOSAL INTERMODAL 425-977-4127**
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005172	CELL
WEIGHMASTER	Michael G.	
DATE/TIME IN 4/14/22 11:15 am		DATE/TIME OUT 4/14/22 11:15 am
VEHICLE 16 LACY		CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	81,620	NET TONS	24.30	INBOUND
TARE OUT	TARE WEIGHT	33,020	NET WEIGHT	48,600	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.30	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

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RS-F042UPR (04/19)

SIGNATURE _____

SITE	REGIONAL DISPOSAL INTERMODAL 425-977-4127 3rd and lander -Seattle, WA
CUSTOMER	010282 JR Hayes & Sons 22430 SE 231st Maple Valley, WA 98038 Contract:TB-4007

SITE 01	TICKET # 1005167	CELL	
WEIGHMASTER	Michael G.		
DATE/TIME IN	4/14/22 10:26 am	DATE/TIME OUT	4/14/22 10:26 am
VEHICLE	16 LACY	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	83,000	NET TONS	24.99	INBOUND
TARE OUT	TARE WEIGHT	33,020	NET WEIGHT	49,980	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
24.99	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

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SITE **REGIONAL DISPOSAL INTERMODAL 425-977-4127**
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005178	CELL
WEIGHMASTER Nikole A.		
DATE/TIME IN 4/14/22 2:08 pm		DATE/TIME OUT 4/14/22 2:08 pm
VEHICLE 16 LACY		CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	79,520	NET TONS	23.25
TARE OUT	TARE WEIGHT	33,020	NET WEIGHT	46,500

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.25	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
TENDERED
CHANGE
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RS-F042UPR (04/19)

SIGNATURE _____

SITE REGIONAL DISPOSAL INTERMODAL 425-977-4127
3rd and lander -Seattle, WA

CUSTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005176	CELL
WEIGHMASTER Nikole A.		
DATE/TIME IN 4/14/22 1:11 pm		DATE/TIME OUT 4/14/22 1:11 pm
VEHICLE 16 LACY		CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN	GROSS WEIGHT	87,500	NET TONS	27.24
TARE OUT	TARE WEIGHT	33,020	NET WEIGHT	54,480

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
27.24	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
TENDERED
CHANGE
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RS-F042UPR (04/19)

SIGNATURE _____

ITE **REGIONAL DISPOSAL INTERMODAL 425-977-4127**
3rd and lander -Seattle, WA

USTOMER 010282
JR Hayes & Sons
22430 SE 231st
Maple Valley, WA 98038

Contract:TB-4007

SITE 01	TICKET # 1005182	CELL
WEIGHMASTER	Michael G.	
DATE/TIME IN 4/14/22 3:07 pm	DATE/TIME OUT 4/14/22 3:07 pm	
VEHICLE 16 LACY	CONTAINER	
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 80,500 NET TONS 23.74 INBOUND
TARE OUT TARE WEIGHT 33,020 NET WEIGHT 47,480 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
23.74	tn	SW-CONT SOIL Origin:SEATTLE/KING 100%				

Signature_____

NET AMOUNT
TENDERED
CHANGE
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RS-F042UPR (04/19)

SIGNATURE Mike

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 71034

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 14:40:45	Scale 1	kfunk2		Gross	76780 lb
Out	04/14/2022 14:40:45		kfunk2		Tare	31880 lb
					Net	44900 lb
					Tons	22.45

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.45	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.45	Tons				KING

Total Tax
Total Ticket

Driver`s Signature JN

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 70999

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Volume
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

	Time	Scale	Operator	Inbound		
In	04/14/2022 12:44:33	Scale 1	kfunk2		Gross	83920 lb
Out	04/14/2022 12:44:33		kfunk2		Tare	31880 lb
					Net	52040 lb
					Tons	26.02

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.02	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.02	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 70899

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# VD1
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 08:09:59	Scale 1	kfunk2		Gross	76260 lb
Out	04/14/2022 08:25:00	Scale 1	kfunk2		Tare	31880 lb
					Net	44380 lb
					Tons	22.19

Comments VAN DAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.19	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.19	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 70925

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 09:25:52	Scale 1	kfunk2		Gross	81600 lb
Out	04/14/2022 09:25:52		kfunk2		Tare	31880 lb
					Net	49720 lb
					Tons	24.86

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.86	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.86	Tons				KING

Total Tax
Total Ticket

Driver`s Signature JN

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 70946

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 10:35:26	Scale 1	kfunk2		Gross	81140 lb
Out	04/14/2022 10:35:26		kfunk2		Tare	31880 lb
					Net	49260 lb
					Tons	24.63

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.63	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.63	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 70976

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 11:41:51	Scale 1	kfunk2		Gross	81340 lb
Out	04/14/2022 11:41:51		kfunk2		Tare	31880 lb
					Net	49460 lb
					Tons	24.73

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.73	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.73	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71020

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 13:39:20	Scale 1	kfunk2		Gross	78620 lb
Out	04/14/2022 13:39:20		kfunk2		Tare	31880 lb
					Net	46740 lb
					Tons	23.37

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.37	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.37	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 70900

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V3
Container
Driver JIM HINTZ
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 08:12:55	Scale 1	kfunk2		Gross	75040 lb
Out	04/14/2022 08:26:38	Scale 1	kfunk2		Tare	31460 lb
					Net	43580 lb
					Tons	21.79

Comments VAN DAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	21.79	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	21.79	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 71038

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V3
Container
Driver JIM HINTZ
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 14:52:15	Scale 1	kfunk2		Gross	79720 lb
Out	04/14/2022 14:52:15		kfunk2		Tare	31460 lb
					Net	48260 lb
					Tons	24.13

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.13	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.13	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71024

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V3
Container
Driver JIM HINTZ
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 13:50:49	Scale 1	kfunk2		Gross	75400 lb
Out	04/14/2022 13:50:49		kfunk2		Tare	31460 lb
					Net	43940 lb
					Tons	21.97

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	21.97	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	21.97	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71005

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V3
Container
Driver JIM HINTZ
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 12:52:06	Scale 1	kfunk2		Gross	79980 lb
Out	04/14/2022 12:52:06		kfunk2		Tare	31460 lb
					Net	48520 lb
					Tons	24.26

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.26	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.26	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 70979

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V3
Container
Driver JIM HINTZ
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 11:48:05	Scale 1	kfunk2		Gross	81380 lb
Out	04/14/2022 11:48:05		kfunk2		Tare	31460 lb
					Net	49920 lb
					Tons	24.96

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.96	Tons				KING
2	EVF-P-Standard Environme	100		%				
3	GOND TON-GONDOLA PER TON	100	24.96	Tons				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 70948

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V3
Container
Driver JIM HINTZ
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 10:38:50	Scale 1	kfunk2		Gross	81100 lb
Out	04/14/2022 10:38:50		kfunk2		Tare	31460 lb
					Net	49640 lb
					Tons	24.82

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.82	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.82	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 70926

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V3
Container
Driver JIM HINTZ
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 09:29:44	Scale 1	kfunk2		Gross	83840 lb
Out	04/14/2022 09:29:44		kfunk2		Tare	31460 lb
					Net	52380 lb
					Tons	26.19

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.19	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.19	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 71040

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Container
Driver AMANDA PYPER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 15:02:51	Scale 1	kfunk2		Gross	78980 lb
Out	04/14/2022 15:02:51		kfunk2		Tare	32660 lb
					Net	46320 lb
					Tons	23.16

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.16	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.16	Tons				KING

Total Tax
Total Ticket

Driver`s Signature AF

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71010

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Container
Driver AMANDA PYPER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 13:00:31	Scale 1	kfunk2		Gross	79980 lb
Out	04/14/2022 13:00:31		kfunk2		Tare	32660 lb
					Net	47320 lb
					Tons	23.66

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.66	Tons				KING
2	EVF-P-Standard Environme	100		%				
3	GOND TON-GONDOLA PER TON	100	23.66	Tons				

Total Tax
Total Ticket

Driver`s Signature AP

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 70986

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Container
Driver AMANDA PYPER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 12:01:25	Scale 1	kfunk2		Gross	83200 lb
Out	04/14/2022 12:01:25		kfunk2		Tare	32660 lb
					Net	50540 lb
					Tons	25.27

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.27	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.27	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 70955

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Container
Driver AMANDA PYPER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound
In	04/14/2022 10:57:32	Scale 1	kfunk2	
Out	04/14/2022 10:57:32		kfunk2	

Gross	82880 lb
Tare	32660 lb
Net	50220 lb
Tons	25.11

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.11	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.11	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 70933

Ph: 206-694-0600

Customer Name	JR HAYES JR HAYES	Carrier	SELF SELF		
Ticket Date	04/14/2022	Vehicle#	V4	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	AMANDA PYPER		
Route		Check#			
Hauling Ticket#		Billing#	0000429		
Destination		Grid			
PO#	116898WA				

	Time	Scale	Operator	Inbound		
In	04/14/2022 09:53:18	Scale 1	kfunk2		Gross	82080 lb
Out	04/14/2022 09:53:18		kfunk2		Tare	32660 lb
					Net	49420 lb
					Tons	24.71

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.71	Tons				KING
2	EVF-P-Standard Environme	100		%				
3	GOND TON-GONDOLA PER TON	100	24.71	Tons				

Total Tax
Total Ticket

Driver`s Signature AP

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 70903

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Volume
Container
Driver AMANDA PYPER
Check#
Billing# 0000429
Grid

	Time	Scale	Operator	Inbound		
In	04/14/2022 08:30:35	Scale 1	kfunk2		Gross	73720 lb
Out	04/14/2022 08:39:13	Scale 1	kfunk2		Tare	32660 lb
					Net	41060 lb
					Tons	20.53

Comments VAN DAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	20.53	Tons				KING
2	EVF-P-Standard Environme	100		%				
3	GOND TON-GONDOLA PER TON	100	20.53	Tons				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71025

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Container
Driver AMANDA PYPER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 13:58:57	Scale 1	kfunk2		Gross	75900 lb
Out	04/14/2022 13:58:57		kfunk2		Tare	32660 lb
					Net	43240 lb
					Tons	21.62

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	21.62	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	21.62	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 71029

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V6
Container
Driver CALLIE ROSE
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 14:21:04	Scale 1	kfunk2		Gross	77780 lb
Out	04/14/2022 14:21:04		kfunk2		Tare	31740 lb
					Net	46040 lb
					Tons	23.02

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.02	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.02	Tons				KING

Total Tax
Total Ticket

Driver`s Signature CR

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 70904

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V6
Container
Driver CALLIE ROSE
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 08:32:27	Scale 1	kfunk2		Gross	75200 lb
Out	04/14/2022 08:49:04	Scale 1	kfunk2		Tare	31740 lb
					Net	43460 lb
					Tons	21.73

Comments VAN DAELE-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	21.73	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	21.73	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 70935

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V6
Container
Driver CALLIE ROSE
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 10:00:22	Scale 1	kfunk2		Gross	80400 lb
Out	04/14/2022 10:00:22		kfunk2		Tare	31740 lb
					Net	48660 lb
					Tons	24.33

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.33	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.33	Tons				KING

Total Tax
Total Ticket

Driver`s Signature CR

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 70957

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V6
Container
Driver CALLIE ROSE
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 11:05:18	Scale 1	kfunk2		Gross	79760 lb
Out	04/14/2022 11:05:18		kfunk2		Tare	31740 lb
					Net	48020 lb
					Tons	24.01

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.01	Tons				KING
2	EVF-P-Standard Environme	100		%				
3	GOND TON-GONDOLA PER TON	100	24.01	Tons				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 70989

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V6
Container
Driver CALLIE ROSE
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 12:11:30	Scale 1	kfunk2		Gross	81700 lb
Out	04/14/2022 12:11:30		kfunk2		Tare	31740 lb
					Net	49960 lb
					Tons	24.98

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.98	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.98	Tons				KING

Total Tax
Total Ticket

Driver`s Signature CR

885.12

1029

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71014

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V6
Container
Driver CALLIE ROSE
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 13:14:39	Scale 1	kfunk2		Gross	78740 lb
Out	04/14/2022 13:14:39		kfunk2		Tare	31740 lb
					Net	47000 lb
					Tons	23.50

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.50	Tons				KING
2	EVF-P-Standard Environme	100		%				
3	GOND TON-GONDOLA PER TON	100	23.50	Tons				

Total Tax
Total Ticket

Driver`s Signature CK

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 70908

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# M27
Container
Driver JOSHUA GARBERG
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 08:41:26	Scale 1	kfunk2		Gross	73840 lb
Out	04/14/2022 08:53:34	Scale 1	kfunk2		Tare	31260 lb
					Net	42580 lb
					Tons	21.29

Comments MAKOWICHUK-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	21.29	Tons				KING
2	EVF-P-Standard Environme	100		%				
3	GOND TON-GONDOLA PER TON	100	21.29	Tons				

Total Tax
Total Ticket

Driver`s Signature JG

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71017

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# M27
Container
Driver JOSHUA GARBERG
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 13:22:28	Scale 1	kfunk2		Gross	75380 lb
Out	04/14/2022 13:22:28		kfunk2		Tare	31260 lb
					Net	44120 lb
					Tons	22.06

Comments MAK-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.06	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.06	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

116.85

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 70990

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# M27
Container
Driver JOSHUA GARBERG
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 12:18:23	Scale 1	kfunk2		Gross	79260 lb
Out	04/14/2022 12:18:23		kfunk2		Tare	31260 lb
					Net	48000 lb
					Tons	24.00

Comments MAK-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.00	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.00	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 70962

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# M27
Container
Driver JOSHUA GARBERG
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 11:15:56	Scale 1	kfunk2		Gross	79520 lb
Out	04/14/2022 11:15:56		kfunk2		Tare	31260 lb
					Net	48260 lb
					Tons	24.13

Comments MAK-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.13	Tons				KING
2	EVF-P-Standard Environme	100		%				
3	GOND TON-GONDOLA PER TON	100	24.13	Tons				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 70934

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# M27
Container
Driver JOSHUA GARBERG
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/14/2022 09:59:06	Scale 1	kfunk2		Gross	80400 lb
Out	04/14/2022 09:59:06		kfunk2		Tare	31260 lb
					Net	49140 lb
					Tons	24.57

Comments MAK-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.57	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.57	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 71030

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/14/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# M27
Container
Driver JOSHUA GARBERG
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound
In	04/14/2022 14:28:17	Scale 1	kfunk2	
Out	04/14/2022 14:28:17		kfunk2	

Gross	78020 lb
Tare	31260 lb
Net	46760 lb
Tons	23.38

Comments MAK-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.38	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.38	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71103

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V3
Container
Driver JIM HINTZ
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator
In	04/18/2022 07:55:40	Scale 1	kfunk2
Out	04/18/2022 07:55:40		kfunk2

Inbound

Gross	75180 lb
Tare	31460 lb
Net	43720 lb
Tons	21.86

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	21.86	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	21.86	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71104

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 07:57:28	Scale 1	kfunk2		Gross	76900 lb
Out	04/18/2022 07:57:28		kfunk2		Tare	31880 lb
					Net	45020 lb
					Tons	22.51

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.51	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.51	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71105

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Container
Driver AMANDA PYPER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 08:06:34	Scale 1	kfunk2		Gross	79500 lb
Out	04/18/2022 08:06:34		kfunk2		Tare	32660 lb
					Net	46840 lb
					Tons	23.42

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.42	Tons				KING
2	EVF-P-Standard Environme	100		%				
3	GOND TON-GONDOLA PER TON	100	23.42	Tons				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71106

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# LACY
Container
Driver MICHAEL MIRES
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 08:20:50	Scale 1	kfunk2		Gross	79880 lb
Out	04/18/2022 08:28:52	Scale 1	kfunk2		Tare	33080 lb
					Net	46800 lb
					Tons	23.40

Comments LACY-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.40	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.40	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71111

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V3
Container
Driver JIM HINTZ
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 09:01:13	Scale 1	kfunk2		Gross	78000 lb
Out	04/18/2022 09:01:13		kfunk2		Tare	31460 lb
					Net	46540 lb
					Tons	23.27

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.27	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.27	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71114

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 09:06:38	Scale 1	kfunk2		Gross	83100 lb
Out	04/18/2022 09:06:38		kfunk2		Tare	31880 lb
					Net	51220 lb
					Tons	25.61

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.61	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.61	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71115

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Container
Driver AMANDA PYPER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 09:14:25	Scale 1	kfunk2		Gross	84640 lb
Out	04/18/2022 09:14:25		kfunk2		Tare	32660 lb
					Net	51980 lb
					Tons	25.99

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.99	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.99	Tons				KING

Total Tax
Total Ticket

Driver`s Signature AP

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71116

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# LACY16
Container
Driver MICHAEL MIRES
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 09:25:59	Scale 1	kfunk2		Gross	85060 lb
Out	04/18/2022 09:25:59		kfunk2		Tare	33080 lb
					Net	51980 lb
					Tons	25.99

Comments LACY-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.99	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.99	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71121

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V3
Container
Driver JIM HINTZ
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 09:55:52	Scale 1	kfunk2		Gross	79740 lb
Out	04/18/2022 09:55:52		kfunk2		Tare	31460 lb
					Net	48280 lb
					Tons	24.14

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.14	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.14	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71123

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Volume
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

	Time	Scale	Operator	Inbound		
In	04/18/2022 09:59:59	Scale 1	kfunk2		Gross	85080 lb
Out	04/18/2022 09:59:59		kfunk2		Tare	31880 lb
					Net	53200 lb
					Tons	26.60

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.60	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.60	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71125

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Container
Driver AMANDA PYPER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 10:11:38	Scale 1	kfunk2		Gross	79660 lb
Out	04/18/2022 10:11:38		kfunk2		Tare	32660 lb
					Net	47000 lb
					Tons	23.50

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.50	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.50	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71127

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# LACY16
Container
Driver MICHAEL MIRES
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound
In	04/18/2022 10:37:50	Scale 1	kfunk2	
Out	04/18/2022 10:37:50		kfunk2	

Gross	84700 lb
Tare	33080 lb
Net	51620 lb
Tons	25.81

Comments LACY-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.81	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.81	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71130

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V3
Container
Driver JIM HINTZ
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 10:49:58	Scale 1	kfunk2		Gross	83420 lb
Out	04/18/2022 10:49:58		kfunk2		Tare	31460 lb
					Net	51960 lb
					Tons	25.98

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.98	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.98	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71133

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 11:00:53	Scale 1	kfunk2		Gross	81820 lb
Out	04/18/2022 11:00:53		kfunk2		Tare	31880 lb
					Net	49940 lb
					Tons	24.97

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.97	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.97	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71137

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Volume
Container
Driver AMANDA PYPER
Check#
Billing# 0000429
Grid

	Time	Scale	Operator	Inbound
In	04/18/2022 11:21:22	Scale 1	kfunk2	
Out	04/18/2022 11:21:22		kfunk2	

Gross	85060 lb
Tare	32660 lb
Net	52400 lb
Tons	26.20

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.20	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.20	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71142

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# LACY16
Container
Driver MICHAEL MIRES
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 11:47:08	Scale 1	kfunk2		Gross	84160 lb
Out	04/18/2022 11:47:08		kfunk2		Tare	33080 lb
					Net	51080 lb
					Tons	25.54

Comments LACY-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.54	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.54	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71144

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V3
Container
Driver JIM HINTZ
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound
In	04/18/2022 11:49:32	Scale 1	kfunk2	
Out	04/18/2022 11:49:32		kfunk2	

Gross	81120 lb
Tare	31460 lb
Net	49660 lb
Tons	24.83

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.83	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.83	Tons				KING

Total Tax
Total Ticket

Driver`s Signature JH

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71145

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 11:56:52	Scale 1	kfunk2		Gross	89820 lb
Out	04/18/2022 11:56:52		kfunk2		Tare	31880 lb
					Net	57940 lb
					Tons	28.97

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.97	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.97	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71147

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Container
Driver AMANDA PYPER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 12:33:06	Scale 1	kfunk2		Gross	90660 lb
Out	04/18/2022 12:33:06		kfunk2		Tare	32660 lb
					Net	58000 lb
					Tons	29.00

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	29.00	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	29.00	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71152

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V3
Container
Driver JIM HINTZ
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 12:46:02	Scale 1	kfunk2		Gross	85740 lb
Out	04/18/2022 12:46:02		kfunk2		Tare	31460 lb
					Net	54280 lb
					Tons	27.14

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	27.14	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	27.14	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71154

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 12:48:25	Scale 1	kfunk2		Gross	88380 lb
Out	04/18/2022 12:48:25		kfunk2		Tare	31880 lb
					Net	56500 lb
					Tons	28.25

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	28.25	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	28.25	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71156

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# LACY16
Container
Driver MICHAEL MIRES
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 13:02:21	Scale 1	kfunk2		Gross	86080 lb
Out	04/18/2022 13:02:21		kfunk2		Tare	33080 lb
					Net	53000 lb
					Tons	26.50

Comments LACY-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.50	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.50	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71159
Ph: 206-694-0600

Customer Name	JR HAYES JR HAYES	Carrier	SELF SELF
Ticket Date	04/18/2022	Vehicle#	V4
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	AMANDA PYPER
Route		Check#	
Hauling Ticket#		Billing#	0000429
Destination		Grid	
PO#	116898WA		

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 13:41:32	Scale 1	kfunk2		Gross	86080 lb
Out	04/18/2022 13:41:32		kfunk2		Tare	32660 lb
					Net	53420 lb
					Tons	26.71

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.71	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.71	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71163

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V3
Container
Driver JIM HINTZ
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 13:48:45	Scale 1	kfunk2		Gross	85380 lb
Out	04/18/2022 13:48:45		kfunk2		Tare	31460 lb
					Net	53920 lb
					Tons	26.96

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.96	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.96	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71164

Customer Name JR HAYES JR HAYES
Ticket Date 04/18/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator
In	04/18/2022 13:49:54	Scale 1	kfunk2
Out	04/18/2022 13:49:54		kfunk2

Inbound

Gross	84840 lb
Tare	31880 lb
Net	52960 lb
Tons	26.48

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.48	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.48	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

739.63 Tons

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 71166

Ph: 206-694-0600

Customer Name	JR HAYES JR HAYES	Carrier	SELF SELF		
Ticket Date	04/18/2022	Vehicle#	LACY16	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	MICHAEL MIRES		
Route		Check#			
Hauling Ticket#		Billing#	0000429		
Destination		Grid			
PO#	116898WA				

	Time	Scale	Operator	Inbound		
In	04/18/2022 14:19:11	Scale 1	kfunk2		Gross	86620 lb
Out	04/18/2022 14:19:11		kfunk2		Tare	33080 lb
					Net	53540 lb
					Tons	26.77

Comments LACY-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.77	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.77	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 71172

Ph: 206-694-0600

Customer Name	JR HAYES JR HAYES	Carrier	SELF SELF
Ticket Date	04/18/2022	Vehicle#	V4
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	AMANDA PYPER
Route		Check#	
Hauling Ticket#		Billing#	0000429
Destination		Grid	
PO#	116898WA		

Volume

	Time	Scale	Operator	Inbound		
In	04/18/2022 14:46:23	Scale 1	kfunk2		Gross	83980 lb
Out	04/18/2022 14:46:23		kfunk2		Tare	32660 lb
					Net	51320 lb
					Tons	25.66

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.66	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.66	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 71175

Ph: 206-694-0600

Customer Name	JR HAYES JR HAYES	Carrier	SELF SELF		
Ticket Date	04/18/2022	Vehicle#	V3	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	JIM HINTZ		
Route		Check#			
Hauling Ticket#		Billing#	0000429		
Destination		Grid			
PO#	116898WA				

	Time	Scale	Operator	Inbound		
In	04/18/2022 14:57:16	Scale 1	kfunk2		Gross	77780 lb
Out	04/18/2022 14:57:16		kfunk2		Tare	31460 lb
					Net	46320 lb
					Tons	23.16

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.16	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.16	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 71176

Ph: 206-694-0600

Customer Name	JR HAYES JR HAYES	Carrier	SELF SELF		
Ticket Date	04/18/2022	Vehicle#	V1	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	JOHN NAPIER		
Route		Check#			
Hauling Ticket#		Billing#	0000429		
Destination		Grid			
PO#	116898WA				

	Time	Scale	Operator	Inbound		
In	04/18/2022 14:58:18	Scale 1	kfunk2		Gross	76740 lb
Out	04/18/2022 14:58:18		kfunk2		Tare	31880 lb
					Net	44860 lb
					Tons	22.43

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.43	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.43	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 71184

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# LACY16
Container
Driver MICHAEL MIRES
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 08:01:33	Scale 1	kfunk2		Gross	85100 lb
Out	04/19/2022 08:01:33		kfunk2		Tare	33080 lb
					Net	52020 lb
					Tons	26.01

Comments LACY-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.01	Tons				KING
2	EVF-P-Standard Environme	100		%				
3	GOND TON-GONDOLA PER TON	100	26.01	Tons				

Total Tax
Total Ticket

Driver`s Signature MM

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71186

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Volume
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

	Time	Scale	Operator	Inbound		
In	04/19/2022 08:05:50	Scale 1	kfunk2		Gross	77580 lb
Out	04/19/2022 08:05:50		kfunk2		Tare	31880 lb
					Net	45700 lb
					Tons	22.85

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.85	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.85	Tons				KING

Total Tax
Total Ticket

Driver`s Signature JN

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71187

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Container
Driver MICHAEL WISEMAN
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 08:13:35	Scale 1	kfunk2		Gross	81660 lb
Out	04/19/2022 08:13:35		kfunk2		Tare	32660 lb
					Net	49000 lb
					Tons	24.50

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.50	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.50	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71188

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V6
Container
Driver CALLIE ROSE
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 08:28:29	Scale 1	kfunk2		Gross	76600 lb
Out	04/19/2022 08:28:29		kfunk2		Tare	31740 lb
					Net	44860 lb
					Tons	22.43

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.43	Tons				KING
2	EVF-P-Standard Environme	100		%				
3	GOND TON-GONDOLA PER TON	100	22.43	Tons				

Total Tax
Total Ticket

Driver`s Signature CR

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71190

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V5
Container
Driver JEREMY WONG
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 08:40:22	Scale 1	kfunk2		Gross	80560 lb
Out	04/19/2022 08:48:13	Scale 1	kfunk2		Tare	31820 lb
					Net	48740 lb
					Tons	24.37

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.37	Tons				KING
2	EVF-P-Standard Environme	100		%				
3	GOND TON-GONDOLA PER TON	100	24.37	Tons				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 71193

Ph: 206-694-0600

Customer Name	JR HAYES JR HAYES	Carrier	SELF SELF		
Ticket Date	04/19/2022	Vehicle#	LACY16	Volume	
Payment Type	Credit Account	Container			
Manual Ticket#		Driver	MICHAEL MIRES		
Route		Check#			
Hauling Ticket#		Billing#	0000429		
Destination		Grid			
PO#	116898WA				

	Time	Scale	Operator	Inbound		
In	04/19/2022 09:03:15	Scale 1	kfunk2		Gross	80560 lb
Out	04/19/2022 09:03:15		kfunk2		Tare	33080 lb
					Net	47480 lb
					Tons	23.74

Comments LACY-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.74	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.74	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71196

Ph: 206-694-0600

Customer Name	JR HAYES JR HAYES	Carrier	SELF SELF
Ticket Date	04/19/2022	Vehicle#	V1
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	JOHN NAPIER
Route		Check#	
Hauling Ticket#		Billing#	0000429
Destination		Grid	
PO#	116898WA		

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 09:18:30	Scale 1	kfunk2		Gross	77700 lb
Out	04/19/2022 09:18:30		kfunk2		Tare	31880 lb
					Net	45820 lb
					Tons	22.91

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.91	Tons				KING
2	EVF-P-Standard Environme	100		%				
3	GOND TON-GONDOLA PER TON	100	22.91	Tons				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71198

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Container
Driver MICHAEL WISEMAN
Check#
Billing# 0000429
Grid

Volume 2

	Time	Scale	Operator	Inbound		
In	04/19/2022 09:23:20	Scale 1	kfunk2		Gross	80760 lb
Out	04/19/2022 09:23:20		kfunk2		Tare	32660 lb
					Net	48100 lb
					Tons	24.05

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.05	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.05	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71202

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V6
Container
Driver CALLIE ROSE
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 09:38:47	Scale 1	kfunk2		Gross	80380 lb
Out	04/19/2022 09:38:47		kfunk2		Tare	31740 lb
					Net	48640 lb
					Tons	24.32

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.32	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.32	Tons				KING

Total Tax
Total Ticket

Driver`s Signature CK

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71205

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V5
Container
Driver JEREMY WONG
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 09:48:36	Scale 1	kfunk2		Gross	77740 lb
Out	04/19/2022 09:48:36		kfunk2		Tare	31820 lb
					Net	45920 lb
					Tons	22.96

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.96	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.96	Tons				KING

Total Tax
Total Ticket

Driver`s Signature JW

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71212

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 10:23:24	Scale 1	kfunk2		Gross	82080 lb
Out	04/19/2022 10:23:24		kfunk2		Tare	31880 lb
					Net	50200 lb
					Tons	25.10

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.10	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.10	Tons				KING

Total Tax
Total Ticket

Driver`s Signature JN

3

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71214

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Volume
Container
Driver MICHAEL WISEMAN
Check#
Billing# 0000429
Grid

	Time	Scale	Operator	Inbound		
In	04/19/2022 10:25:51	Scale 1	kfunk2		Gross	81780 lb
Out	04/19/2022 10:25:51		kfunk2		Tare	32660 lb
					Net	49120 lb
					Tons	24.56

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.56	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.56	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71219

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V5
Container
Driver JEREMY WONG
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 10:44:11	Scale 1	kfunk2		Gross	82040 lb
Out	04/19/2022 10:44:11		kfunk2		Tare	31820 lb
					Net	50220 lb
					Tons	25.11

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.11	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.11	Tons				KING

Total Tax
Total Ticket

Driver`s Signature JW

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71221

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V6
Container
Driver CALLIE ROSE
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 10:51:26	Scale 1	kfunk2		Gross	81820 lb
Out	04/19/2022 10:51:26		kfunk2		Tare	31740 lb
					Net	50080 lb
					Tons	25.04

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.04	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.04	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71228

Ph: 206-694-0600

Customer Name	JR HAYES JR HAYES	Carrier	SELF SELF
Ticket Date	04/19/2022	Vehicle#	V1
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	JOHN NAPIER
Route		Check#	
Hauling Ticket#		Billing#	0000429
Destination		Grid	
PO#	116898WA		

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 11:26:35	Scale 1	kfunk2		Gross	84060 lb
Out	04/19/2022 11:26:35		kfunk2		Tare	31880 lb
					Net	52180 lb
					Tons	26.09

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.09	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.09	Tons				KING

Total Tax
Total Ticket

Driver`s Signature JN

4

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71231

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Volume
Container
Driver MICHAEL WISEMAN
Check#
Billing# 0000429
Grid

	Time	Scale	Operator	Inbound		
In	04/19/2022 11:37:56	Scale 1	kfunk2		Gross	83260 lb
Out	04/19/2022 11:37:56		kfunk2		Tare	32660 lb
					Net	50600 lb
					Tons	25.30

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.30	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.30	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71233
Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V5
Volume
Container
Driver JEREMY WONG
Check#
Billing# 0000429
Grid

	Time	Scale	Operator	Inbound		
In	04/19/2022 11:40:42	Scale 1	kfunk2		Gross	80540 lb
Out	04/19/2022 11:40:42		kfunk2		Tare	31820 lb
					Net	48720 lb
					Tons	24.36

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.36	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.36	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71234

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V6
Container
Driver CALLIE ROSE
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 11:46:42	Scale 1	kfunk2		Gross	82820 lb
Out	04/19/2022 11:46:42		kfunk2		Tare	31740 lb
					Net	51080 lb
					Tons	25.54

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.54	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.54	Tons				KING

Total Tax
Total Ticket

Driver`s Signature CR

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71239

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 12:12:27	Scale 1	kfunk2		Gross	77960 lb
Out	04/19/2022 12:12:27		kfunk2		Tare	31880 lb
					Net	46080 lb
					Tons	23.04

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.04	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.04	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

5

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71246
Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Volume
Container
Driver MICHAEL WISEMAN
Check#
Billing# 0000429
Grid

	Time	Scale	Operator	Inbound		
In	04/19/2022 12:43:34	Scale 1	kfunk2		Gross	81020 lb
Out	04/19/2022 12:43:34		kfunk2		Tare	32660 lb
					Net	48360 lb
					Tons	24.18

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.18	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.18	Tons				KING

Total Tax
Total Ticket

Driver`s Signature MW

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71247

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V6
Container
Driver CALLIE ROSE
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 12:48:15	Scale 1	kfunk2		Gross	82660 lb
Out	04/19/2022 12:48:15		kfunk2		Tare	31740 lb
					Net	50920 lb
					Tons	25.46

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.46	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.46	Tons				KING

Total Tax
Total Ticket

Driver`s Signature CR

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71250
Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V5
Volume
Container
Driver JEREMY WONG
Check#
Billing# 0000429
Grid

	Time	Scale	Operator	Inbound		
In	04/19/2022 12:55:00	Scale 1	kfunk2		Gross	80400 lb
Out	04/19/2022 12:55:00		kfunk2		Tare	31820 lb
					Net	48580 lb
					Tons	24.29

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.29	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.29	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71257

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 13:27:18	Scale 1	kfunk2		Gross	80800 lb
Out	04/19/2022 13:27:18		kfunk2		Tare	31880 lb
					Net	48920 lb
					Tons	24.46

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.46	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.46	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

6

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71259

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Container
Driver MICHAEL WISEMAN
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 13:35:28	Scale 1	kfunk2		Gross	82600 lb
Out	04/19/2022 13:35:28		kfunk2		Tare	32660 lb
					Net	49940 lb
					Tons	24.97

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.97	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.97	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 71262

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V6
Container
Driver CALLIE ROSE
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 13:47:04	Scale 1	kfunk2		Gross	83420 lb
Out	04/19/2022 13:47:04		kfunk2		Tare	31740 lb
					Net	51680 lb
					Tons	25.84

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.84	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.84	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71263

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V5
Container
Driver JEREMY WONG
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 13:48:16	Scale 1	kfunk2		Gross	82240 lb
Out	04/19/2022 13:48:16		kfunk2		Tare	31820 lb
					Net	50420 lb
					Tons	25.21

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.21	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.21	Tons				KING

Total Tax
Total Ticket

Driver`s Signature JW

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 71270

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Volume
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

	Time	Scale	Operator	Inbound		
In	04/19/2022 14:35:40	Scale 1	kfunk2		Gross	82860 lb
Out	04/19/2022 14:35:40		kfunk2		Tare	31880 lb
					Net	50980 lb
					Tons	25.49

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.49	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.49	Tons				KING

Total Tax
Total Ticket

Driver`s Signature JN

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 71272

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/19/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V4
Container
Driver MICHAEL WISEMAN
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 14:39:28	Scale 1	kfunk2		Gross	80920 lb
Out	04/19/2022 14:39:28		kfunk2		Tare	32660 lb
					Net	48260 lb
					Tons	24.13

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.13	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.13	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 71273

Ph: 206-694-0600

Customer Name	JR HAYES JR HAYES	Carrier	SELF SELF
Ticket Date	04/19/2022	Vehicle#	V6
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	CALLIE ROSE
Route		Check#	
Hauling Ticket#		Billing#	0000429
Destination		Grid	
PO#	116898WA		

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 14:50:19	Scale 1	kfunk2		Gross	78340 lb
Out	04/19/2022 14:50:19		kfunk2		Tare	31740 lb
					Net	46600 lb
					Tons	23.30

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.30	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.30	Tons				KING

Total Tax
Total Ticket

Driver`s Signature CR

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 71274

Ph: 206-694-0600

Customer Name	JR HAYES JR HAYES	Carrier	SELF SELF
Ticket Date	04/19/2022	Vehicle#	V5
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	JEREMY WONG
Route		Check#	
Hauling Ticket#		Billing#	0000429
Destination		Grid	
PO#	116898WA		

Volume

	Time	Scale	Operator	Inbound		
In	04/19/2022 14:54:24	Scale 1	kfunk2		Gross	79080 lb
Out	04/19/2022 14:54:24		kfunk2		Tare	31820 lb
					Net	47260 lb
					Tons	23.63

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	23.63	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	23.63	Tons				KING

Total Tax
Total Ticket

Driver`s Signature JW

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Reprint
Ticket# 71284

Customer Name JR HAYES JR HAYES
Ticket Date 04/20/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V6
Container
Driver CALLIE ROSE
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/20/2022 08:27:25	Scale 1	kfunk2		Gross	70520 lb
Out	04/20/2022 08:27:25		kfunk2		Tare	31740 lb
					Net	38780 lb
					Tons	19.39

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	19.39	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	19.39	Tons				KING

Total Tax
Total Ticket

Driver`s Signature CR

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 71278

Ph: 206-694-0600

Customer Name	JR HAYES JR HAYES	Carrier	SELF SELF
Ticket Date	04/20/2022	Vehicle#	V4
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	MICHAEL WISEMAN
Route		Check#	
Hauling Ticket#		Billing#	0000429
Destination		Grid	
PO#	116898WA		

Volume

	Time	Scale	Operator	Inbound		
In	04/20/2022 07:49:42	Scale 1	kfunk2		Gross	81420 lb
Out	04/20/2022 07:49:42		kfunk2		Tare	32660 lb
					Net	48760 lb
					Tons	24.38

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.38	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.38	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 71279

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/20/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V5
Container
Driver AMANDA PYPER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/20/2022 08:01:25	Scale 1	kfunk2		Gross	82280 lb
Out	04/20/2022 08:01:25		kfunk2		Tare	31820 lb
					Net	50460 lb
					Tons	25.23

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.23	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.23	Tons				KING

Total Tax
Total Ticket

Driver`s Signature AP

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Reprint
Ticket# 71277

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 04/20/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# V1
Container
Driver JOHN NAPIER
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	04/20/2022 07:42:03	Scale 1	kfunk2		Gross	76920 lb
Out	04/20/2022 07:42:03		kfunk2		Tare	31880 lb
					Net	45040 lb
					Tons	22.52

Comments VD-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	22.52	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	22.52	Tons				KING

Total Tax
Total Ticket

Driver`s Signature JN

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 72756

Customer Name JR HAYES JR HAYES
Ticket Date 06/06/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# 88H
Container
Driver KENNY KING
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/06/2022 12:19:14	Scale 1	kfunk2		Gross	90040 lb
Out	06/06/2022 12:42:27	Scale 1	kfunk2		Tare	41260 lb
					Net	48780 lb
					Tons	24.39

Comments JR HAYES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.39	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.39	Tons				KING

Total Tax
Total Ticket

Driver`s Signature KK

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 72761

Customer Name JR HAYES JR HAYES
Ticket Date 06/06/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# 88H
Container
Driver KENNY KING
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/06/2022 13:36:57	Scale 1	kfunk2		Gross	91700 lb
Out	06/06/2022 13:36:57		kfunk2		Tare	41260 lb
					Net	50440 lb
					Tons	25.22

Comments JR HAYES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.22	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.22	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

220203

Original
Ticket# 72765

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 06/06/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# 88H
Container
Driver KENNY KING
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/06/2022 14:49:08	Scale 1	kfunk2		Gross	92820 lb
Out	06/06/2022 14:49:08		kfunk2		Tare	41260 lb
					Net	51560 lb
					Tons	25.78

Comments JR HAYES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.78	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	25.78	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 72768

Customer Name JR HAYES JR HAYES
Ticket Date 06/07/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# T33
Container
Driver ALEX TRIPP
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/07/2022 07:58:18	Scale 1	kfunk2		Gross	95400 lb
Out	06/07/2022 08:07:05	Scale 1	kfunk2		Tare	43140 lb
					Net	52260 lb
					Tons	26.13

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	26.13	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	26.13	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 72776

Customer Name JR HAYES JR HAYES
Ticket Date 06/07/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# T33
Container
Driver ALEX TRIPP
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/07/2022 09:14:53	Scale 1	kfunk2		Gross	93420 lb
Out	06/07/2022 09:14:53		kfunk2		Tare	43140 lb
					Net	50280 lb
					Tons	25.14

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	25.14	Tons				KING
2	EVF-P-Standard Environme	100		%				
3	GOND TON-GONDOLA PER TON	100	25.14	Tons				

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 72784

Customer Name JR HAYES JR HAYES
Ticket Date 06/07/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# T33
Container
Driver ALEX TRIPP
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	06/07/2022 10:26:14	Scale 1	kfunk2		Gross	92140 lb
Out	06/07/2022 10:26:14		kfunk2		Tare	43140 lb
					Net	49000 lb
					Tons	24.50

Comments TIGER-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	24.50	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	24.50	Tons				KING

Total Tax
Total Ticket

Driver`s Signature AT

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 178002

Ph: 206 763 5025

Customer Name JR HAYES JR HAYES
Ticket Date 07/06/2022
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF HAULER *
Vehicle# 5
Container
Driver ELAINA
Check#
Billing# 0000820
Grid

Volume

	Time	Scale	Operator	Inbound
In	07/06/2022 13:50:50	SCALE 1	GALTHEIM	
Out	07/06/2022 14:05:14	SCALE 1	GALTHEIM	

Gross	43800 lb
Tare	26200 lb
Net	17600 lb
Tons	8.80

Comments DTG-GA

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	8.80	Tons				KING
2	EVF-P-Standard Environme	100		%				
3	GONDOLA T-GONDOLA TON	100	8.80	Tons				

Total Tax
Total Ticket

Driver`s Signature

Elaina

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 73985

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 07/20/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# GW20
Container
Driver JASON YARBROGH
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	07/20/2022 08:52:48	Scale 1	kfunk2		Gross	74200 lb
Out	07/20/2022 09:04:38	Scale 1	kfunk2		Tare	30720 lb
					Net	43480 lb
					Tons	21.74

Comments GW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	21.74	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	21.74	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Original
Ticket# 74344

Ph: 206-694-0600

Customer Name JR HAYES JR HAYES
Ticket Date 08/04/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# JRH87
Container
Driver HUNTER DAVIS
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/04/2022 10:25:44	Scale 1	kfunk2		Gross	60800 lb
Out	08/04/2022 10:31:58	Scale 1	kfunk2		Tare	29440 lb
					Net	31360 lb
					Tons	15.68

Comments JR HAYES-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	15.68	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	15.68	Tons				KING

Total Tax
Total Ticket

Driver`s Signature HD

WASTE MANAGEMENT

8th Ave Reload
7400 8th Ave S
Seattle, WA, 98108

Ph: 206-694-0600

Original
Ticket# 74426

Customer Name JR HAYES JR HAYES
Ticket Date 08/09/2022
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
PO# 116898WA

Carrier SELF SELF
Vehicle# GW20
Container
Driver JASON YARBROGH
Check#
Billing# 0000429
Grid

Volume

	Time	Scale	Operator	Inbound		
In	08/09/2022 10:38:19	Scale 1	kfunk2		Gross	41900 lb
Out	08/09/2022 10:38:19		kfunk2		Tare	30720 lb
					Net	11180 lb
					Tons	5.59

Comments GW-KF

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	5.59	Tons				KING
2	EVF-P-Standard Environme	100		%				KING
3	GOND TON-GONDOLA PER TON	100	5.59	Tons				KING

Total Tax
Total Ticket

Driver`s Signature

APPENDIX F

Report Limitations and Guidelines for Use

REPORT LIMITATIONS AND USE GUIDELINES

Reliance Conditions for Third Parties

This report was prepared for the exclusive use of the Client. No other party may rely on this report or the product of our services without the express written consent of Aspect Consulting (Aspect). This limitation is to provide our firm with reasonable protection against liability claims by third parties with whom there would otherwise be no contractual conditions or limitations and guidelines governing their use of the report. Within the limitations of scope, schedule and budget, our services have been executed in accordance with our Agreement with the Client and recognized standards of professionals in the same locality and involving similar conditions.

Services for Specific Purposes, Persons and Projects

Aspect has performed the services in general accordance with the scope and limitations of our Agreement. This report has been prepared for the exclusive use of the Client and their authorized third parties, approved in writing by Aspect. This report is not intended for use by others, and the information contained herein is not applicable to other properties.

This report is not, and should not, be construed as a warranty or guarantee regarding the presence or absence of hazardous substances or petroleum products that may affect the subject property. The report is not intended to make any representation concerning title or ownership to the subject property. If real property records were reviewed, they were reviewed for the sole purpose of determining the subject property's historical uses. All findings, conclusions, and recommendations stated in this report are based on the data and information provided to Aspect, current use of the subject property, and observations and conditions that existed on the date and time of the report.

Aspect structures its services to meet the specific needs of our clients. Because each environmental study is unique, each environmental report is unique, prepared solely for the specific client and subject property. This report should not be applied for any purpose or project except the purpose described in the Agreement.

This Report Is Project-Specific

Aspect considered a number of unique, project-specific factors when establishing the Scope of Work for this project and report. You should not rely on this report if it was:

- Not prepared for you
- Not prepared for the specific purpose identified in the Agreement
- Not prepared for the specific real property assessed
- Completed before important changes occurred concerning the subject property, project or governmental regulatory actions

If changes are made to the project or subject property after the date of this report, Aspect should be retained to assess the impact of the changes with respect to the conclusions contained in the report.

Geoscience Interpretations

The geoscience practices (geotechnical engineering, geology, and environmental science) require interpretation of spatial information that can make them less exact than other engineering and natural science disciplines. It is important to recognize this limitation in evaluating the content of the report. If you are unclear how these "Report Limitations and Use Guidelines" apply to your project or site, you should contact Aspect.

Discipline-Specific Reports Are Not Interchangeable

The equipment, techniques and personnel used to perform an environmental study differ significantly from those used to perform a geotechnical or geologic study and vice versa. For that reason, a geotechnical engineering or geologic report does not usually address any environmental findings, conclusions or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. Similarly, environmental reports are not used to address geotechnical or geologic concerns regarding the subject property.

Environmental Regulations Are Not Static

Some hazardous substances or petroleum products may be present near the subject property in quantities or under conditions that may have led, or may lead, to contamination of the subject property, but are not included in current local, state or federal regulatory definitions of hazardous substances or petroleum products or do not otherwise present potential liability. Changes may occur in the standards for appropriate inquiry or regulatory definitions of hazardous substance and petroleum products; therefore, this report has a limited useful life.

Property Conditions Change Over Time

This report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time (for example, Phase I ESA reports are applicable for 180 days), by events such as a change in property use or occupancy, or by natural events, such as floods, earthquakes, slope failure or groundwater fluctuations. If more than six months have passed since issuance of our report, or if any of the described events may have occurred following the issuance of the report, you should contact Aspect so that we may evaluate whether changed conditions affect the continued reliability or applicability of our conclusions and recommendations.

Phase I ESAs – Uncertainty Remains After Completion

Aspect has performed the services in general accordance with the scope and limitations of our Agreement and the current version of the "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", ASTM E1527, and U.S. Environmental Protection Agency (EPA)'s Federal Standard 40 CFR Part 312 "Innocent Landowners, Standards for Conducting All Appropriate Inquiries".

No ESA can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with subject property. Performance of an ESA study is intended to reduce, but not eliminate, uncertainty regarding the potential for environmental conditions affecting the subject property. There is always a potential that areas with contamination that were not identified during this ESA exist at the subject property or in the study area. Further evaluation of such potential would require additional research, subsurface exploration, sampling and/or testing.

Historical Information Provided by Others

Aspect has relied upon information provided by others in our description of historical conditions and in our review of regulatory databases and files. The available data does not provide definitive information with regard to all past uses, operations or incidents affecting the subject property or adjacent properties. Aspect makes no warranties or guarantees regarding the accuracy or completeness of information provided or compiled by others.

Exclusion of Mold, Fungus, Radon, Lead, and HBM

Aspect's services do not include the investigation, detection, prevention or assessment of the presence of molds, fungi, spores, bacteria, and viruses, and/or any of their byproducts. Accordingly, this report does not include any interpretations, recommendations, findings, or conclusions regarding the detection, assessment, prevention or abatement of molds, fungi, spores, bacteria, and viruses, and/or any of their byproducts. Aspect's services also do not include the investigation or assessment of hazardous building materials (HBM) such as asbestos, polychlorinated biphenyls (PCBs) in light ballasts, lead based paint, asbestos-containing building materials, urea-formaldehyde insulation in on-site structures or debris or any other HBMs. Aspect's services do not include an evaluation of radon or lead in drinking water, unless specifically requested.