

# Supplemental Remedial Investigation and Soil Cleanup Report

Former Bellevue Chrysler Plymouth Site  
At the Bellevue South Project  
126 and 200 116<sup>th</sup> Avenue NE  
Bellevue, Washington

## **Bellevue 116<sup>th</sup> Avenue South, LLC**

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April 5, 2019  
File No. 04218014.00

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Subject: Supplemental Remedial Investigation and Soil Cleanup Report, Bellevue North Property

Dear Ms. Fernandez:

Enclosed please find the *Supplemental Remedial Investigation and Soil Cleanup Report, Former Bellevue Chrysler Plymouth Site at the Bellevue South Project, 126 and 200 116<sup>th</sup> Avenue NE, Bellevue, Washington*. Consistent with Ecology's submittal instructions, three copies of the report are included. Also attached is a Voluntary Cleanup Program (VCP) application package for the site.

The former Bellevue Chrysler Plymouth site saw limited agricultural and residential land use up to 1960, when an automotive dealership was constructed at 126 116<sup>th</sup> Avenue NE. The dealership was enlarged in the middle 1960s and continued to operate until 2009. The building was removed in 2018 as part of the Bellevue South Property redevelopment.

The former automotive service operations resulted in soil and groundwater contamination at the Property. During the 1990s, several independent cleanup actions were undertaken, which resulted in a no-further-action (NFA) designation issued by Ecology in 2000. However, the presence of the dealership building limited the scope of these remedial activities. Residual petroleum contamination was expected beneath the building. Subsequent site investigations and the supplemental remedial investigation documented in the attached report better defined the nature and extent of the residual petroleum contamination. The list of contaminants of concern was developed based on site-specific information and the analytes listed in MTCA Table 830-1, Required Testing for Petroleum Releases.

The current redevelopment of the Property presented an opportunity to identify and remove contaminated media from historical activities. SCS notified Ecology (Ms. Louise Bardy) on June 1, 2018, that the former Bellevue Chrysler Plymouth site would be the subject of a new independent cleanup action. SCS provided Ecology with a copy of the site's contaminated media management plan on June 4.

Petroleum-contaminated soil was confirmed at and removed from the Property during the redevelopment construction activities. The site cleanup was completed as a model remedy consistent with WAC 173-340-390, given the relatively simple nature of the site and the absence of exposure pathways. Laboratory data from the supplemental investigation and remediation confirm that the in-place soils meet all applicable MTCA soil standards. Post-remedial groundwater sampling is being initiated to evaluate the nature and quality of shallow groundwater at the site.

Ms. Sonia Fernandez

April 5, 2019

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SCS requests that Ecology grant entry of the site into the VCP, review the attached documentation, and issue an opinion regarding the soil cleanup actions. Once Ecology has issued a VCP number for the site, SCS will enter the data into Ecology's Environmental Information Management (EIM) system. The property owner's goal is to ultimately realize an unconditional NFA designation for the former Bellevue Chrysler Plymouth site.

Please contact us (bdoan@scsengineers.com or ghelland@scsengineers.com) if you have any questions.

Sincerely,



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Senior Project Professional  
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Gregory D. Helland, LHG  
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BGD/GDH

cc: Siri Long, PREI  
Andrew Coates, KGIP

Enclosures: Supplemental Remedial Investigation and Soil Cleanup Report, Former Bellevue Chrysler Plymouth Site  
VCP Application  
VCP Agreement  
Terrestrial Ecological Evaluation

This Supplemental Remedial Investigation and Soil Cleanup Report for the former Bellevue Chrysler Plymouth Site located at 126 116<sup>th</sup> Avenue NE, in Bellevue, Washington, was prepared by Brian Doan and Gregory Helland, LHG, of SCS Engineers.



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## 1.0 INTRODUCTION

This report presents the results of a supplemental remedial investigation (RI) and remedial soil cleanup completed at the Bellevue Chrysler Plymouth Site (the “Site”) formerly located at 126 116<sup>th</sup> Avenue NE in Bellevue, Washington (Figure 1). The cleanup Site is situated at the south end of the larger Bellevue South redevelopment, a roughly rectangular, 5.0-acre parcel of commercially-zoned land (the “Property”) that is currently being redeveloped for commercial and retail businesses. Preparations for the redevelopment included merging the parcel on which the cleanup Site is situated with the adjacent parcel to the north. Hence, the current address for the Property is 200 116<sup>th</sup> Avenue NE, and the former address (126) is no longer used.

The historical automobile dealership at the Property last operated as Eastside Chrysler Jeep. The dealership ceased operation in 2009, and the building and associated infrastructure were removed in 2017 and 2018. Ongoing redevelopment activities include significant earthwork to regrade the Property followed by the construction of a multi-story retail and office building with a three-story parking structure. The construction activities required removal of the historical dealership building and infrastructure, which presented an opportunity to identify and remove contaminated soil that had resulted from historical automotive repair and maintenance operations.

Past environmental investigations and limited cleanups were performed at the former Bellevue Chrysler Plymouth site and are summarized in Section 2. This project included a supplemental RI (Section 3), part of which was performed as a Phase II environmental site assessment, and follow up remedial actions (Section 4). The remedial actions were performed coincident with the redevelopment of the Property.

Historic and recent information gathered from the Property indicated that the soil and groundwater at the former Bellevue Chrysler Plymouth site were impacted with petroleum hydrocarbons. Therefore, the remediation approach during the redevelopment was intended to be completed as a model remedy, consistent with WAC 173-340-390. This report documents the soil remediation portion of the model remedy.

## 1.1 SITE SETTING

The Property consists of a single tax parcel of approximately 5.0 acres situated east of downtown Bellevue, WA, immediately southeast of the intersection of 116<sup>th</sup> Avenue NE and NE 4<sup>th</sup> Street. The Property was formerly two separate tax parcels, with the south parcel occupied by the automotive dealership and service center and the north paved parcel used largely for outdoor vehicle parking. The historical arrangement of the Property prior to redevelopment is shown on Figure 2, along with current surrounding property use.

The land elevation is approximately 100 feet above North American Vertical Datum 1988 (NAVD88). Pre-development topography sloped to the west, with a steep hillslope along the east side of the Property, a relatively flat and level center section, and a lesser slope on the west end down to 116<sup>th</sup> Avenue NE. Historical surface topography is included on Figures 3 through 5, with the latter figure also including the footprint of the redevelopment building and access drive.

The Property is zoned CB (Community Business). Local land use is chiefly commercial, with auto dealerships and related businesses dominating 116<sup>th</sup> Avenue NE in the vicinity of the Property. Mercer Slough is situated approximately 0.75 miles south.

As shown on Figure 2, the former dealership building was located on the south end of the Property. The former building included a showroom on the west end of the building and two adjoining service areas situated east of the showroom. Construction of the former building involved cutting into the east slope of the Property such that the north, east, and south walls were partially or entirely in contact with soil. Over the eastern service area there was a second story, which was used for parts storage and was accessible on its east side at ground level, due to the elevation rise of the slope. Recent redevelopment activities cut significant material from the east portion of the Property and filled certain areas in the central section and on the west end.

## **1.2 GOALS AND OBJECTIVES**

The purpose of the supplemental RI was to expand upon previous soil and groundwater sampling to improve the understanding of the site conditions and address existing data gaps. The findings would inform the management of impacted soil and groundwater that might be encountered during redevelopment and help direct the removal of contaminated media. The ultimate goal of the cleanup project is to have the site achieve regulatory closure under the state's Model Toxics Control Act (MTCA), Washington Administrative Code (WAC) 173-340.

Although the former Bellevue Chrysler Plymouth building was demolished in 2017, the structure's concrete slab-on-grade foundation remained in place until the late spring of 2018. The supplemental RI sampling included the collection of samples around the perimeter of the former building footprint, as well as through the concrete floor. The information obtained during the supplemental RI was used to prepare a Contaminated Media Management Plan (SCS Engineers, May 2018) for the redevelopment project. A copy of the plan was provided to the Department of Ecology on June 4, 2018. The plan described locations where impacted soil or groundwater had been identified, as well as procedures for identifying and managing additional contaminated soil, groundwater, or stormwater that might be encountered during the redevelopment.

Based on the results of the supplemental RI, SCS Engineers also identified areas where petroleum-contaminated soils were suspected. The combined results of the supplemental RI, previously reported findings, and our recent soil cleanup actions serve to characterize the Property and document the removal of residual contamination.

## **1.3 REGULATORY STATUS**

The Washington State Department of Ecology (Ecology) has listed the Property as a known contaminated site (Ecology site identifier NW0106) based on soil and groundwater contamination under the footprint of the former dealership building and in the immediate vicinity. Ecology issued a no-further-action (NFA) designation for the site in January 2000, with the understanding that the residual soil contamination would remain covered by the Bellevue Chrysler Plymouth building. The NFA noted, however, that shallow groundwater beneath the building and its attached car wash (south side of the building) continued to contain diesel- and oil-range petroleum in excess of state cleanup standards (MTCA Method A) at that time. The NFA letter was addressed to Chrysler Realty Corporation, for whom the main investigations and cleanup work had been performed. Responsibility for the current effort toward site cleanup and regulatory closure is being undertaken by the current Property owner, Bellevue 116th Avenue South, LLC.

The Property's redevelopment facilitated a fuller characterization of the site and the removal of contaminated soils discovered beneath the former building foundation. The cleanup actions described in this report, and the planned installation and subsequent monitoring of post-remedial groundwater wells, were designed to support regulatory closure of the site. The intention is to enter



the former Bellevue Chrysler Plymouth site into Ecology's Voluntary Cleanup Program (VCP) with the goal of obtaining an NFA designation.

The regulatory closure process is expected to involve the following activities:

- Enter the VCP. SCS is in the process of submitting the appropriate forms and supporting documentation coincident with the publication of this report. Ecology now accepts VCP entry applications only when a hardcopy report is submitted with a request for a formal opinion from Ecology.
- Provide project documentation. SCS has prepared this report to document investigatory and remedial activities performed during recent redevelopment of the Property.
- Install groundwater monitoring wells and collect information about the available shallow groundwater, its apparent flow direction, and the nature and extent of any groundwater contamination.
- Compilation of recent site data for entry into Ecology's Environmental Information Management (EIM) system.

Ecology was notified by SCS of the Bellevue South redevelopment and planned remedial actions on June 1, 2018.

## 2.0 HISTORICAL SITE ASSESSMENTS AND CLEANUPS

The available historical resources indicate that the Property was used for farming and limited residential use until it was developed in 1960 with an automotive dealership/service center building. The dealership consisted of two conjoined buildings that occupied the southern half of the parcel. Initial construction was limited to the dealership showroom and western service area (approximately 9,200 square foot) in 1960, with the eastern service area added around 1965. This business operated under several names including Overlake GMC-Oldsmobile, Bellevue Chrysler Plymouth, Eastside Jeep Eagle, and, most recently, Eastside Chrysler Jeep. The last dealership closed around 2009, with the Property subsequently being used for overflow parking of new automobiles from neighboring dealerships. The former dealership building was demolished in 2017 in order to prepare the Property for redevelopment.

Numerous environmental investigations, remedial cleanup actions, and Phase I Environmental Site Assessments (ESAs) were conducted at the Property from 1987 to 2015. This section summarizes the findings of these investigations and assessments, and the results of the remedial activities.

A significant number of environmental documents specifically pertaining to the Bellevue Chrysler Plymouth site were reviewed by SCS during preparation of a Phase I environmental site assessment (ESA) for the Property in 2015. In addition, a more recent Phase I assessment was completed by Farallon in September 2017. Environmental documents pertaining to the site, including many that were previously issued to Ecology, are listed in the exhibit below.

Exhibit 1. Historical Environmental Documents for 126 – 200 116<sup>th</sup> Avenue NE

Chrono order	Document Name	Author	Date	Property
1	Proposal, Site Screening, Overlake Chrysler Property From Dames & Moore to Preston, Thorgimson, Ellis & Holman	Dames & Moore	11 Aug 1987	126 & 316 116 <sup>th</sup>
2	Initial Site Screening and Underground Storage Tank Testing, Overlake Chrysler Plymouth Property, Bellevue, Washington	Dames & Moore	19 Oct 1987	126 116 <sup>th</sup>
3	Hydrogeological Investigation, Overlake Chrysler Plymouth, Bellevue, Washington	O'Brien & Gere Engineers, Inc.	Jan 1989	126 116 <sup>th</sup>
4	Environmental Site Assessment, Bellevue Chrysler Plymouth	NW Geotech, Inc.	4 Oct 1993	126 116 <sup>th</sup>
5	Phase II Site Characterization, Bellevue Chrysler Plymouth	NW Geotech, Inc	13 Jul 1994	126 116 <sup>th</sup>
6	Remedial Action Plan, Bellevue Chrysler Plymouth, 126 116 <sup>th</sup> Avenue NE, Bellevue, WA CRC Project No. WA7338	NW Geotech, Inc	31 Jul 1996	126 116 <sup>th</sup>
7	Groundwater Monitoring Report, Bellevue Chrysler Plymouth, 126 116 <sup>th</sup> Avenue NE, Bellevue, WA, DOE No. 13336	NW Geotech, Inc	18 Oct 1996	126 116 <sup>th</sup>
8	Independent Remedial Action (No-Further-Action Letter)	Louise Bardy, Washington Dept. of Ecology	26 Jan 2000	126 116 <sup>th</sup>

Chrono order	Document Name	Author	Date	Property
	Bellevue Chrysler Plymouth, 126 116th Ave, Bellevue, WA			
9	Groundwater Monitoring Report, Bellevue Chrysler Plymouth, 126 116th Avenue NE, Bellevue, WA, DOE No. 13336	NW Geotech, Inc	18 May 2000	126 116th
10	Groundwater Monitoring Report, Bellevue Chrysler Plymouth, 126 116th Avenue NE, Bellevue, WA. DOE No. 13336.	NW Geotech, Inc	1 Sep 2000	126 116th
11	Completion of Monitoring, Bellevue Chrysler Plymouth, 126 116th Ave NE, Bellevue, WA. Letter to Mr. Andrew Bucchiere, Chrysler Realty Corporation	Louise Bardy, Department of Ecology Toxics Cleanup Program	15 Dec 2000	126 116th
12	Transmittal Form and Table of Contents, Chrysler Bellevue LLC, Eastside Chrysler Jeep, 126 116th Ave NE, Bellevue WA 98004	Cecily Gilbert, Pegasus Financial, LLC	13 Jan 2005	126 116th
13	Phase I Environmental Site Assessment for Dodge of Bellevue Property, 126 through 316 116th Avenue NE, Bellevue, WA	SCS Engineers	16 Sep 2005	126 & 316 116th
14	Geotechnical Engineering Study, Proposed Bellevue Development, 116th Avenue NE, Bellevue, WA	Earth Solutions NW, Inc.	25 Apr 2006	126 & 316 116th
15	Updated Phase I Environmental Site Assessment for Dodge of Bellevue Property, 126 through 316 116th Avenue NE, Bellevue, WA	SCS Engineers	26 Apr 2006	126 & 316 116th
16	Phase I Environmental Site Assessment, Former Dodge of Bellevue-Eastside Chrysler Jeep Property, 126 through 400 116th Avenue NE, Bellevue, WA	SCS Engineers	15 Jul 2009	126 to 400 116th
17	Boring logs and a site plan provided for review (originally attached to a geotechnical report for a prospective purchaser of the Property)	HartCrowser	May 20-23, 2013	126 & 200 116th
18	Final Hazardous Material Survey, Vacant Buildings, Former Eastside Chrysler/Jeep, 200 116th Ave NE, Bellevue, WA	Cardno ATC	10 Jun 2013	200 116th
19	Phase I Environmental Site Assessment, Former Eastside Chrysler/Jeep, 128-200 116th Ave NE, Bellevue, WA 98004	Stantec, Inc.	25 Jun 2013	126 & 200 116th
20	Limited Phase II Environmental Site Assessment Report, Former Eastside Chrysler/Jeep, 128-200 116th Ave NE, Bellevue, WA 98004	Stantec, Inc.	25 Jun 2013	126 & 200 116th

Chrono order	Document Name	Author	Date	Property
21	Phase I Environmental Site Assessment, Former Dodge of Bellevue & Eastside Chrysler Jeep Property, 126 through 400 116th Avenue NE, Bellevue, WA	SCS Engineers	1 Jul 2015	126 - 400 116th
22	Phase I Environmental Site Assessment, Bellevue South, 200 116th Ave NE, Bellevue, WA	Farallon	29 Sept 2017	200 116th

A 1987 Dames & Moore proposal and cost estimate described planned Phase I and II chemical contamination screening investigations for evaluating potential environmental liability associated with a potential property purchase. The resulting report described current conditions and historical property use, and it provided a “hazard evaluation” and recommendations. The 1987 Dames & Moore report documented other findings:

- Dealership activities included auto body repair, as well as automotive service and maintenance.
- A 275-gallon used-oil underground storage tank (UST) in the south end of the eastern service area was tested for leaks. Although the leak test indicated that the UST was tight, significant spills and overfill were observed around the fill spout.
- Free oil was observed in an open floor drain, floor trench drain, and sub-grade concrete lined vault. Records indicated that the floor drains flowed to the Bellevue Sewer district through a “grease trap” which reportedly had not been inspected or maintained.
- Evidence of leaks and spills were noted in and around a drum storage area in the southeast portion of the building, where waste paints and solvents were stored.
- Empty and partially-filled drums of unknown contents were observed discarded in a wooded area northeast of the building.
- A low-lying wet area in the northeastern portion of the property had reportedly been filled with clean fill.

The 1987 report recommended additional investigation in the form of backhoe test pits in the drum storage area and the filled area, replacement or retrofitting of the waste oil UST, and proper disposal of burn debris and discarded drums.

A January 1989 report documented an additional investigation to determine if solvents from the drum storage area in the southeast corner of the facility had contaminated groundwater. The report references a previous Site Investigation report prepared by O’Brien & Gere dated June 1988. SCS was not provided a copy of this report.

A summary of the cited previous (O’Brien & Gere, 1988) report described the presence of benzene and toluene in the soils beneath the drum/solvent storage area, but the identified concentrations were reported to be below the soil regulatory limits. Therefore, removal and disposal of the soils in the drum storage area was not required. Ecology was notified of the release of solvents to the soil and the intent to monitor groundwater.

According to the January 1989 report, four monitoring wells were installed surrounding the drum storage area. Groundwater samples were analyzed for total petroleum hydrocarbons (TPH) and

volatile organic compounds (VOCs). Groundwater from one monitoring well was reported to have 8 mg/L TPH. Groundwater samples from all other wells were less than the detection limit (1 mg/L) for TPH, and samples from all the wells were below the detection limit (1 µg/L) for volatile organics. The report recommended semi-annual monitoring for TPH and VOCs with remedial action or risk assessment implemented if concentrations increase. It was also reported that removal of a drum and debris pile consisting of burned-out autos, parts, earth and tires had been completed from an area northeast of the building as previously recommended.

A 1993 ESA prepared for the parcel by Northwest Geotech, Inc., (NGI) indicated that changes to the site activities included cessation of the body shop service. Borings were installed at the eastern property line and at former in-ground lift locations inside the building. Petroleum contamination was reported in the soil from the northeast corner of the eastern service area. Borings along the east (upgradient) property line did not suggest the presence of contamination. The ESA recommended additional investigation to delineate the extent of contamination found in the eastern service area and notifying Ecology of the release.

The 1993 ESA reported that a waste oil UST was removed from beneath the floor of the auto detailing garage in November 1988. Soils from the excavation indicated a release of TPH. Over-excavation of affected soils and confirmation sampling of the pit reportedly showed TPH concentrations below Ecology cleanup criteria. SCS was not able to obtain a copy of the referenced UST removal report.

NGI's 1994 Phase II Site Characterization report described investigating the extent of contamination primarily discovered at the north end of the eastern service area. Twenty-four borings and seven groundwater monitoring wells were installed and sampled to investigate and delineate the extent of contamination. The consultant concluded that soil contamination was limited to the northeast portion of the eastern service area near a hydraulic lift vault. Samples analyzed by Ecology Method WTPH-ID indicated that oil- and diesel-range TPH were present, but not gasoline-range TPH. The highest concentrations of TPH (1,170 and 1,270 mg/kg) were reported in samples of the sub-slab coarse gravel, which was encountered in a 0.5-foot thick layer directly beneath the concrete floor slab. Based on a TPH soil cleanup level of 100 mg/kg in effect at that time, NGI estimated that the horizontal area of contamination was about 65 by 75 feet.

SCS notes that the reported soil detections would pass current MTCA Method A soil cleanup levels for diesel and oil-range TPH, which were revised from 100 mg/kg to 2,000 mg/kg in 2001. However, the MTCA revisions in 2001 included lowering the benzene soil cleanup level from 0.50 mg/kg to 0.03 mg/kg. Hence a soil sample from 1 foot bgs in the northeast portion of the eastern service area, where 0.11 mg/kg benzene was detected, exceeded the current (post-2001) cleanup level for benzene in soil. SCS noted no other exceedances in the historical soil data reported by NGI.

During the 1994 investigation, a sample of oily sludge from the bottom of a hydraulic lift vault was analyzed for a variety of contaminants, and PCBs were reported in the sample. It should be noted that the presence of PCBs in a hydraulic lift vault does not represent a release of PCBs to the environment. The hydraulic lift vault was pumped out and sealed with bentonite in September 1994. PCBs were not subsequently detected in a groundwater sample from a well (MW-5) in the vicinity of the former lift vault, as reported by the same consultant in 1996.

Three remediation options were identified in the recommendations to the 1994 Phase II. These included vehicle-lift removal and limited soil cleanup, lift removal and groundwater pumping, and lift removal and groundwater pumping combined with in-situ bioremediation. All options left some contaminated soils in place, due to access limitations presented by the building structure.

A Remedial Action Plan was prepared in July 1996 to facilitate site cleanup under the Independent Remedial Action Program. The Plan summarized investigations in 1995 and 96 to further delineate the extent of the reported groundwater contamination. Improved groundwater quality in the monitoring wells downgradient from the hydraulic lift vault was reported, based on data collected after the vault was sealed. Three monitoring wells situated just outside the building footprint to the northwest, west, and southwest (near the oil/water separators) were installed to establish downgradient points of compliance for the groundwater plume.

The planned remediation described in the 1996 Remedial Action Plan would involve installing Oxygen Release Compound (ORC) in the groundwater to enhance conditions for bioremediation of the residual petroleum. A figure in the 1996 RA Plan identified the locations of four former below-grade hydraulic lifts in the eastern service area and four in the western service area. A “parts washing station” was identified in the southwest portion of the western service area.

An October 1996 groundwater monitoring report summarized the remedial activities that had been initiated at the site. ORC was placed in the monitoring wells in the north end of the eastern service area (source area for the contamination). According to the report, the dissolved oxygen values in the groundwater had increased as a result of the ORC, and the groundwater contaminant concentrations had largely decreased to below MTCA Method B levels. The ORC socks were subsequently removed from the groundwater monitoring wells in June 1998.

Additional, targeted soil sampling was completed in the eastern service area in 1998 and 1999, and the samples were analyzed for hydrocarbon fractions. This “fractionated” approach includes two analytical methods: “volatile” aliphatic and aromatic petroleum hydrocarbons (VPH) for gasoline range organics (GRO), and another for “extractable” aliphatic and aromatic petroleum hydrocarbons (EPH) for diesel range organics (DRO) and heavy fuel oils. Analysis of the sampling data suggested the soil contamination did not represent a human health risk. The analysis also predicted that the residual contamination would not result in a groundwater impact in excess of MTCA groundwater cleanup standards.

Ecology issued a no further action (NFA) designation for the site in January 2000. The NFA required ongoing monitoring for chlorinated and non-chlorinated solvents in ten wells on a quarterly basis. If four consecutive quarterly monitoring events showed results below applicable state standards, Ecology indicated that further monitoring activities may not be required.

A September 2000 groundwater monitoring report reported that contaminants were detected in three monitoring wells located in and immediately southwest (downgradient) of the eastern service area. All reported contaminant concentrations were below regulatory cleanup levels established for the site. A review of summary data tables confirms that this was the fourth consecutive quarter that results were reported to be below MTCA cleanup levels. Importantly, SCS notes that groundwater benzene exceedances, which had been reported in two wells in the northeast portion of the building, were reduced to less than the groundwater cleanup level of 5 µg/L in the four quarters of groundwater monitoring that were reported in September 2000. Accordingly, the report requested that Ecology issue a final NFA letter for the site.

In December 2000, Ecology issued a Completion of Monitoring letter to Chrysler Realty Corporation. The letter indicated that the monitoring required by the interim NFA letter (January 2000) had been satisfactorily completed, that no further monitoring was required, and that the monitoring wells could be abandoned. Information in Ecology’s files indicates the monitoring wells were properly abandoned in March 2001.

In September 2005, SCS Engineers prepared a Phase I ESA that included the Bellevue Chrysler Plymouth Property, plus the three adjacent parcels to the north (now known as Bellevue North). The ESA report, which was subsequently updated in April 2006 and July 2009, indicated that as much as 1,000 cubic yards of petroleum contaminated soils related to former in-ground hydraulic lifts and building drain pipes may potentially be encountered during future development of the Bellevue Chrysler Plymouth site. The reports also concluded that a limited quantity of contaminated groundwater may also need to be managed during the redevelopment construction.

Boring logs and a site plan from a 2013 geotechnical investigation (HartCrowser) were provided to SCS for review. The scope of work included the installation of five geotechnical borings, four of which were converted to groundwater wells for the purpose of identifying the depth to shallow groundwater. Information provided on the documents and also through interviews with the consultant (HartCrowser) indicated that surface soils were characteristic of Vashon till in the vicinity of the eastern portion of the dealership building. The till was described as dense to very dense, gray, poorly-graded fine sand and gravelly sand. The presence of till at the surface of the slopes surrounding the eastern service area indicates that historical construction of the eastern service area involved cutting into the till slope. Artesian conditions suggesting a confined shallow aquifer were noted at a piezometer installed immediately adjacent to the southeast corner of the building. However, geotechnical borings nearer the west end of the building found approximately 8 feet of fill soils overlying the Vashon till and groundwater perched at 5 feet below ground surface (bgs).

Stantec completed Phase I and Phase II ESAs of the Bellevue Chrysler Plymouth Property in June 2013, and the reports were provided to SCS for review. The Phase I ESA concluded that the former presence of two waste oil ASTs, the historical use of a 275-gallon waste-oil UST, the suspected presence of an estimated 1,000 cubic yards of petroleum-contaminated soil, and the possibility of related groundwater impacts were recognized environmental conditions (RECs) indicating the presence or likely presence of contamination.

The Phase II assessment performed by Stantec included installing 20 Geoprobe borings inside and around the former dealership building to collect soil and groundwater samples. Low concentrations of diesel- and oil-range TPH were detected in a number of the soil samples collected near the southern end of the building, but the reported concentrations were below MTCA Method A cleanup standards. The reported groundwater results for gasoline-range TPH and VOCs were also less than MTCA Method A standards. However, diesel-fraction TPH (in one sample) and oil-fraction TPH (in five samples) were reported above their respective MTCA Method A groundwater standards.

SCS and Farallon prepared subsequent Phase I ESAs covering the Property in July 2015 and September 2017, respectively. Both reports identified Property RECs associated with past automotive service operations, focusing on residual petroleum hydrocarbon contamination in shallow soil and groundwater in the immediate vicinity of the dealership building.

## **2.1 PRE-CLEANUP RECOGNIZED ENVIRONMENTAL CONDITIONS AND DATA GAPS**

Previous investigations in the eastern service bay area at the Bellevue Chrysler Plymouth site suggested that contaminated soil related to a former hydraulic lift vault in the northeast portion of the eastern service area remained beneath the building on the Property. After remedial activities and additional risk evaluations were completed in 1999, the residual contaminated soil was not considered to represent a risk to human health and the environment. The Department of Ecology issued a no further action (NFA) designation in 2000 for the Bellevue Chrysler Plymouth site. Although subsequent groundwater monitoring demonstrated an improvement to the groundwater

quality, diesel-fraction and oil-fraction TPH continued to be reported in excess of MTCA Method A cleanup levels through 2013. The residual contaminated soil and groundwater were considered to represent controlled RECs.

Given the historical information discussed in the previous section, the following data gaps were identified:

- After the final quarterly monitoring event in July 2000, the only groundwater data from the site was collected during the 2013 Geoprobe investigation. Therefore, the current groundwater quality was unknown.
- Subsurface investigations had assessed and characterized the former shop areas and the immediate vicinity of the building, including the oil/water separator area. However, the investigations had been somewhat restricted by on-going auto service activities and the presence of the former dealership building. It was unknown whether other areas of contamination were present under the floor slab.
- No information was available regarding the methodology used in 1994 to collect soil samples for VOC analysis. Field preservation of soil samples by EPA Method 5035, which limits the loss of contaminants by volatilization, did not come into widespread use until 6 to 10 years after the main soil investigation at the Bellevue Chrysler Plymouth site. Thus, it was possible that historical soil sample results for VOCs underrepresented contaminant concentrations.

The supplemental RI was designed to address these data gaps. The findings of the supplemental RI informed and help direct the subsequent cleanup action.



## 3.0 SUPPLEMENTAL REMEDIAL INVESTIGATION

The supplemental RI was initiated prior to construction. Further investigation was performed during construction. These activities and their results are summarized in this section.

Auto sales and repair activities ceased at the site in 2009. By late 2017, most of the building had been removed, but the floor slab remained in place, as did the eastern service area's north, east, and south walls, which served to retain the surrounding hillside. The east wall later collapsed but was removed during construction. These conditions afforded free access to all points at the site and retained surface features to orient the investigative efforts. Obvious surface features that remained when the supplemental RI was initiated included the building footprint, floor trench drains that ran north to south down the center of each of the two service areas, the oil/water separators, and former monitoring wells (Figure 3). The floor trench drains were concrete-lined channels covered with steel grates and were present bisecting both former service areas in north-south alignments. Figure 3 also provides the previous surface contours, and shows that the former building was cut into the former slope on the eastern side of the Property.

### 3.1 SCOPE OF WORK

The supplemental RI was initiated in March 2018 prior to construction. The supplemental RI continued into the redevelopment construction and included the following activities:

- Two days of direct-push (Geoprobe-type) sampling, with the collection of soil and groundwater samples around and beneath the remaining concrete floor slab.
- Water table measurements and groundwater sampling of three existing wells at the Property.
- Monitoring during construction-related soil cuts within and near the footprint of the former dealership during redevelopment of the Property. Construction excavations included an electrical trench from the south edge of the property northward between the two former service areas, a 2,200-square foot excavation to 7 feet below ground surface (bgs) to install a stairwell foundation, and a drain line trench along the south Property boundary.
- Monitoring soils exposed by the removal of the floor trench drains that ran north-to-south down the center of the each of the two former service areas and also soils exposed when the concrete floor slab was removed throughout the footprint of the former building.
- Removing former in-ground infrastructure, including hydraulic vehicle lifts exposed at four locations when the floor slab was removed, oil/water separators situated southwest of the former building, and a small catch basin in the former wash pad near the oil/water separators.

The removal of the former floor slab and the activities listed above provided for the full characterization of the Bellevue Chrysler Plymouth site. The methods employed during the supplemental RI are described below in Section 3.2. The locations of the direct-push sampling locations are shown on Figure 3, and the locations of excavation soil samples are shown on Figure 4 (in Appendix A). The results of the supplemental RI are summarized in Section 3.4.

### 3.2 INVESTIGATIVE METHODS

The supplemental RI was completed using SCS standard procedures and EPA analytical methods as detailed in SCS Engineers' proposal, Redevelopment and Remediation Support, Bellevue South

Property, Bellevue, WA (November 17, 2017). The scope of work and investigative results of the supplemental assessment are presented in the sections below.

### 3.2.1 Pre-Construction Direct-Push Sampling

Exploratory soil and groundwater sampling was performed at 12 locations at and around the former dealership building on March 5 and 6, 2018. Boring locations were selected to provide general coverage across the area of interest and based on the suspected presence of contamination, either due to surface features (e.g., staining or the presence of trench drains, catch basins, oil/water separators, etc.) or the results of prior investigations by others.

Direct-push drilling equipment was selected for the subsurface investigation. An SCS geologist directed all the direct-push sampling efforts, under the supervision of a Washington-licensed hydrogeologist. The direct-push equipment was operated by a Washington-licensed driller.

Soils obtained from the borings were field screened and lithologically described. Depending on subsurface conditions, the soil borings were advanced to contact with groundwater, a maximum depth of 20 feet below ground surface (bgs), or to refusal. One soil sample was collected for laboratory analysis from each boring, based on field observations, including proximity to potential contaminant sources or utility conveyances. Soil cuttings and decontamination water generated during the sampling effort were temporarily stored on the property in labeled, 15-gallon drums.

Samples were placed into pre-cleaned, laboratory supplied containers and immediately stored in a field cooler for submittal to ALS Laboratory of Everett, WA. ALS Everett is accredited by Ecology for the requested analyses. Soils sampled for VOC analysis (gasoline, BTEX compounds, and VOCs) were preserved in the field consistent with EPA Method 5035 to limit the loss of volatile contaminants from the samples.

Based on existing site data, the direct-push samples were all analyzed for total petroleum hydrocarbons (TPH) in the diesel and oil ranges by NWTPH-Dx. Selected soil and groundwater samples (six of each) were also analyzed for the following contaminants:

- Gasoline-range TPH by method NWTPH-Gx
- Gasoline-constituent BTEX compounds (benzene, toluene, ethylbenzene, and xylenes) by EPA Method 8021
- VOCs by EPA Method 8260
- RCRA 8 metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) by EPA Methods 6020 and 7471

The selected analytes are consistent with MTCA requirements published in MTCA, WAC 173-340-900 Table 830-1, Required Testing for Petroleum Releases.

SCS requested silica gel cleanup prior to analysis of groundwater samples from locations B-2 and B-3 and the soil sample from B-3, due to the observed presence of organic-rich saturated soils at these locations (see Section 3.4.1, Soil Observations). Silica-gel cleanup removes the polar biogenic organics and retains the non-polar organics, such as petroleum.

### 3.2.2 Pre-Construction Sampling Existing Groundwater Wells

Samples were collected on March 6, 2018, from the three existing groundwater monitoring wells closest to the dealership building. As described in Section 2.0, the groundwater monitoring wells had been installed during previous geotechnical investigations at the Property.

Prior to sampling, the depth to groundwater was measured in each well to the nearest 0.01 foot in order to evaluate the groundwater flow direction. Well purging and sampling was performed using a peristaltic pump and low-flow/low-volume well sampling techniques.

During well purging, field water-quality parameters (specific conductance, pH, dissolved oxygen, oxidation-reduction potential [eH], temperature, and turbidity) were measured. After the groundwater quality field parameters had stabilized, groundwater samples were collected directly from the discharge tube of the peristaltic pump into pre-cleaned, laboratory-supplied containers. Samples were preserved on ice and couriered under chain-of-custody documentation to ALS in Everett, WA. The groundwater samples were analyzed for diesel- and oil-range TPH by method NWTPH-Dx.

Each well monument included an Ecology-issued unique well identifier, which facilitated locating each well's construction log. SCS provided the redevelopment contractor with the well logs, identification numbers, and map depicting the well locations. The wells were decommissioned by a licensed driller on May 9, 2018.

### 3.2.3 Investigative Methods During Redevelopment

Based on the results of historical site investigations and the 2018 sampling, SCS prepared a Contaminated-Media Management Plan (SCS, April 2018) to address contaminated soil, groundwater, and stormwater management during redevelopment of the Property. The plan, which described indications of suspect soil, where such material might be encountered, and the procedures developed for investigating and managing it, was provided to and discussed with the contractors during a pre-construction meeting. Soils exhibiting gray or blackish staining with petroleum odors would be suspected of being petroleum-contaminated soil (PCS) and would be subject to characterization and proper management consistent with the procedures described in the plan.

Coordinating with the redevelopment contractors facilitated completing the supplemental investigation concurrent with the construction activities. The excavation contractor had experience working at petroleum-contaminated sites and had established separate pricing for managing contaminated material, including excavation, hauling, treatment (if necessary), and disposal.

As mentioned above, site redevelopment involved the complete removal of the former building slab and historical subsurface infrastructure, in addition to construction-related excavations in select areas. These activities facilitated a complete assessment of the former Bellevue Chrysler Plymouth site. Generally, remediation was completed concurrent with the investigation as contaminated areas were verified. The investigative methods used are described below.

- **Construction Excavations:** Redevelopment required earth removal along an electrical trench and at a 2,200-square-foot stairwell foundation. The electrical trench was installed to a depth of approximately 4 feet bgs from the south edge of the Property northward between the two former service areas. The excavation for the stairwell foundation (Mat Foundation Stair 1) was installed to approximately 7 feet bgs at the southwest portion of the former

building (Figure 4). This excavation included the south portion of the trench drain that had bisected the western service area.

- Floor Trench Drains and Slab Removal: The former dealership's concrete floor was removed as redevelopment construction progressed, generally west to east. Slab removal included removal of floor trench drains, which were simple concrete troughs that ran north to south down the center of each service area (Figure 3).
- Removal of Historical Subsurface Infrastructure: Removal of the floor slab exposed evidence of three hydraulic lifts in the former western service area and one dual-piston lift in the former eastern service area. Four oil/water separators were removed from an area adjacent to the southwest portion of the former dealership building. Historical investigations concluded that no USTs remained at the Property, and no evidence of USTs was identified during the supplemental RI and redevelopment.

SCS investigated any evidence of potential contamination or subsurface features, such as vaults or hydraulic lifts, exposed during redevelopment. Exposed soils were inspected for staining, odors, and positive indications on a photo-ionization detector (PID) as evidence of potential contamination. Samples of suspect soil were collected to characterize the soil for re-use as fill on the Property or for off-site treatment and disposal as appropriate. Soil contamination was removed as necessary, and confirmation soil samples were collected from over-excavated areas to verify that remaining soils met MTCA cleanup levels.

The methodology used for collecting soil samples during construction was the same as that described above for the pre-construction direct-push samples with respect to containers, field preservation (e.g., EPA Method 5035 for VOCs), and chain-of-custody documentation. Based on site data that identified the likely presence of heavy oils, all soil samples collected during the redevelopment were analyzed for TPH in the diesel and oil ranges by NWTPH-Dx. Selected soil samples were also analyzed for the following contaminants:

- Gasoline-range TPH by method NWTPH-Gx
- Gasoline-constituent BTEX compounds (benzene, toluene, ethylbenzene, and xylenes) by EPA Method 8021
- VOCs by EPA Method 8260
- RCRA 8 metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver) and MTCA 5 metals (arsenic, cadmium, chromium, lead, and mercury) plus nickel and zinc by EPA Methods 6020 and 7471
- Polycyclic aromatic hydrocarbons (PAHs) by EPA Method 8270
- PCBs by EPA Method 8082

During early excavations the SCS field geologist noted that suspect soils exhibited an odor of mineral spirits, a petroleum-based solvent commonly used for cleaning mechanical parts. SCS requested that the analytical lab use a mineral spirits calibration standard for samples analyzed by method NWTPH-Gx. The analytical lab reported that the resulting chromatograms were consistent with mineral spirits. The occasional presence of mineral spirits odors, and the subsequent use by the lab of a mineral spirits calibration standard, continued over the course of the project. Laboratory detections for method NWTPH-Gx were consistently reported by the lab as having chromatograms indicating that the samples contained mineral spirits. This finding is consistent with the absence of fuel USTs at the site, the historical presence of a "parts washing station" in the western service area

(NGI, July 1996), and SCS's experience at the nearby former Dodge of Bellevue site, which was similarly remediated during redevelopment in 2015.

The project adopted a conservative approach to soil removal, whereby soils exhibiting obvious dark staining or petroleum indications (positive PID readings and obvious odors) were in many cases removed for off-site treatment and disposal independent of characterization data results. This approach limited project down time waiting for characterization lab results and recognized that the new development would likely preclude future efforts to further address residual soil contamination.

To simplify sample point locating and naming, a 10-foot grid was established with lines west to east identified by letters A through T and lines south to north identified by numbers 1 through 18. The grid starting point (A0) was established on the south Property boundary, approximately 20 feet west of the former building. Samples shown on Figures 4 and 5 reflect the grid location and depth. For example, sample N4-7' was collected near grid intersection N4 from a depth of 7 feet bgs.

### **3.3 QUALITY ASSURENCE/QUALITY CONTROL**

Field notes, field sampling data sheets (FSDSs), and photographs were maintained to document field activities and sample collection. Confirmation soil samples collected during construction were obtained from in-place soils or from the center of the excavator bucket in order to prevent potential cross contamination. Some characterization samples, such as those from soil stockpiles, were collected as composite samples. In all cases, new nitrile gloves were donned for each sample collected, and the samples were placed into pre-cleaned, laboratory-supplied sample jars. As previously noted, soil samples for VOC analysis (gasoline, BTEX compounds, and halogenated VOCs) were preserved in the field consistent with EPA Method 5035 to limit the loss of volatile contaminants from the samples.

The water-quality meter used during monitoring well sampling was properly maintained and calibrated daily to a known standard before it was used, consistent with the manufacturers' recommendations. Calibration logs were recorded in the field.

All soil and groundwater samples were kept in a chilled cooler during storage and transport to an Ecology-accredited testing laboratory. The samples were transported and custody transferred using chain-of-custody documentation. Copies of the chain-of-custody forms are included in the analytical reports prepared by the laboratory.

All analyses occurred within the appropriate holding times, and most were analyzed on a rush basis to accommodate the redevelopment schedule. Laboratory reports include method blank results, surrogate recovery results, chain-of-custody documents, laboratory duplicate results (when required by the method), and matrix spike or matrix spike duplicate results. The laboratory results were reviewed to assess data quality and acceptability consistent with the project requirements. All of the laboratory results were determined to be of sufficient quality for the purposes of this project.

### **3.4 INVESTIGATION RESULTS**

Data tables summarizing the analytical results of the supplemental RI are provided Appendix B. Table 1 provides a summary of the pre-construction direct-push analyses, and analytical results for the various characterization and confirmation soil samples collected during redevelopment construction are provided in Table 2. Soil sampling locations for the supplemental investigation are illustrated on Figure 3 (direct-push investigation sample locations) and Figure 4 (remedial soil excavations). A cross section is provided in Figures 6.

### 3.4.1 Soil Observations

Approximately 0.5 feet of gravel bedding was observed directly underlying the concrete slab in the eastern portion of the building. Fill soils were encountered southwest of the approximate building center. The fill was characterized by brown, gravelly, silty sand and was present to approximately 8 feet bgs under the west edge of the former dealership building. A layer of organic-rich peaty soil was observed underlying 2.5 to 4.5 feet of fill at the two locations furthest to the southwest (B-2 and B-3). The peat was 1 to 2 feet thick at these locations, but was not encountered elsewhere. Beneath the fill (and peaty soils at B-2 and B-3), compact, gray glacial till was encountered to the maximum depth explored. The glacial till was characterized by compact, gray fine-grained sands, silts, and clays.

Fill material was absent beneath areas generally northeast and east of the approximate building center (i.e., the northeast portion of the western service area and the former eastern service area), except for the gravel bedding directly underlying the concrete slab. The historical characterizations of site hydrogeology and soils observations, made both historically and during the 2018 redevelopment, support the conclusion that the eastern portion of the former dealership building was constructed on low-permeability glacial till by cutting into the eastern hillside.

### 3.4.2 Groundwater Observations

Historical investigations identified a consistent groundwater flow direction to the west-southwest (NGI, 1996). The depth to shallow groundwater varied approximately 2 to 3 feet with seasonal changes in precipitation. In the northeast corner of the building, where most historical investigations were focused, groundwater was reported at 0.0 feet below the top of the flush-mount well casing during months of high precipitation (e.g., January through March). As noted above, historic site leveling for construction of the eastern service area cut into the low-permeability glacial till of the hillside and apparently intercepted the shallow water-bearing zone located on top of the glacial till.

During the direct-push investigation in March 2018, groundwater was encountered perched on the till or the weathered till surface. Saturation was observed in the lower fill soils, peat (where present), and weathered till. The moisture content of the till lessened with depth. Groundwater was present directly beneath the slab at the eastern borings (B-5, B-8, and B-9). At groundwater well B-8, near the southwestern corner of the property, the depth to groundwater was 5.1 feet.

When the redevelopment cut eastward into the hillside, groundwater was encountered perched on the gray Vashon till. Significant on-site flow of perched groundwater continued from the eastern hillside throughout the summer and fall of 2018, despite drought conditions in the area. SCS understands that the volume of on-flowing groundwater was greater than originally anticipated and necessitated revisions to the design of the eastern wall of the development. New construction includes a foundation drain system that captures groundwater along the east wall of the development and conveys it through pipes to a City of Bellevue stormwater line near the southwest corner of the Property. It is unclear what effect this will have on site hydrogeology.

### 3.4.3 Direct-Push Soil Sample Results

Detectible concentrations of petroleum were reported by the laboratory in the 2018 soil samples from only three of the twelve locations. Specifically, oil-range TPH was detected in soil at the following locations:

- At the southwest corner of the former building, southwest of the oil/water separator vaults (sample B3-4').
- Inside the south end of the east service area (sample B5-0.5'). A low concentration of diesel-range TPH was also reported at this location.
- Inside the northeast corner of the east service area (sample B8-1')

None of the reported TPH concentrations exceeded the Washington State cleanup level of 2,000 mg/kg for oil-range TPH in soil. No detectible concentrations of gasoline-range TPH, BTEX compounds, or VOCs were reported in any of the analyzed soil samples. The laboratory detection limits were less than the MTCA Method A and Method B cleanup levels for the various potential contaminants of concern (COCs) listed in Section 3.2. Low concentrations of several metals (arsenic, barium, chromium, and lead) were reported at concentrations below their respective MTCA cleanup levels. The laboratory results were consistent with historical findings and field observations made during the sampling, which did not suggest significant or widespread soil contamination.

### 3.4.4 Groundwater Sample Results

Groundwater samples were collected from 11 of the 12 direct-push sample locations and from the three groundwater monitoring wells situated closest to the dealership building in March 2018. A groundwater sample could not be collected from boring B-12, because the location was dry.

Reported concentrations of oil-range TPH exceeded the MTCA Method A cleanup level (500 µg/L) at all five direct-push locations within the footprint of the dealership building. In many of the same locations diesel-range TPH concentrations also exceeded the MTCA groundwater cleanup level (also 500 µg/L). The highest concentrations of both contaminants were reported in the sample from the northeast corner of the dealership, where 48,000 µg/L oil-range TPH and 33,000 µg/L diesel-range TPH were identified in the groundwater sample from location B-8.

Beyond the building footprint, TPH concentrations were less than cleanup levels, except at location B-3, situated immediately downslope (southwest) of the former carwash pad. At this location diesel-range TPH was reported in the water sample at 560 µg/L, and oil-range TPH was reported at 1,600 µg/L. Groundwater was perched in an organic-rich peat layer above dry till at 4 feet bgs. The associated soil sample (B-3-3') collected from the saturated zone at this location contained 1,700 mg/kg oil-range TPH, which was less than the MTCA Method A cleanup level of 2,000 mg/kg oil-range TPH in soil. Diesel-range TPH was not detected in the soil sample above the method reporting limit of 120 mg/kg. Given that no subsurface contaminant source was identified during the RI or the subsequent redevelopment, the elevated TPH concentrations in the water sample at B-3 are believed to be an artifact of sample turbidity typical of the direct-push method, and the influence of localized organic-rich soils containing low-level TPH. Nevertheless, the area was later investigated during the installation of a drain pipe and concrete junction block (see Section 3.4.9).

No diesel- or oil-range TPH was detected in groundwater samples from the three monitoring wells, which were all situated beyond the footprint of the former building.

Arsenic, chromium, and lead concentrations slightly exceeded state groundwater cleanup levels in the groundwater samples collected within the footprint of the former building. However, the exceedances are considered to be artifacts of turbidity associated with the sampling methodology (collecting unfiltered samples from direct-push borings rather than from properly installed and developed monitoring wells), and the fact that the sample bottles contained an acid preservative, consistent with Ecology requirements for metals sampling at MTCA sites. Therefore, the samples for

metals analysis were considered indicators of groundwater quality, but they were not necessarily representative of actual groundwater chemistry.

No detectible concentrations of gasoline-range petroleum, BTEX compounds, or VOCs were reported in any of the analyzed groundwater samples. The laboratory detection limits were less than the MTCA Method A and Method B cleanup levels for the various potential COCs. Importantly, the absence of benzene was confirmed in the area downgradient (west-southwest) of the eastern service area. Specifically, direct-push boring B-7 was installed near the former location of historical groundwater monitoring well MW-8, at which benzene had been reported in groundwater at 38 and 22 ug/L in March and April 1996, but 12 subsequent monitoring events (1996-2000) had not reported detectible benzene.

### **3.4.5 Electrical Trench Results**

Earthwork at the former Bellevue Chrysler Plymouth site began with the installation of an electrical trench that was cut from the south Property boundary northward between the two former service areas. Three pipes of 4-inch to 6-inch diameter were encountered near the southwest corner of the eastern service area. All pipes encountered were situated within 3 feet of each other and were oriented to flow west, toward the oil/water separators. Two concrete pipes were not flowing. One 4-inch diameter ABS pipe flowed turbid, black water and was presumed to serve the eastern trench drain. Except where water from the ABS pipe contacted the trench soil, no other areas of suspect soil were noted along the electrical trench alignment.

Water entering the electrical trench was pumped out and contained temporarily in an on-site tank. The redevelopment contractor maintained a separate Baker tank that was used to contain any water that was suspected to be contaminated. Suspect water from the separate Baker tank was removed from the Property for treatment and disposal.

Suspect soils were set aside, and a soil sample (Trench #1) from approximately 4 bgs was collected where the pipes crossed the electrical trench. The sample was analyzed for diesel- and oil-range TPH, and the laboratory reported no detectible (ND) TPH concentrations. After the electrical line was installed, the area was subsequently resampled approximately 5 feet further west (L4-3.5') under the old pipes to investigate soils along the east-west pipe alignment. The soil sample was analyzed for gasoline (mineral spirits), diesel, and oil, and again the results were ND. The area to the east was addressed with the investigation and remediation of the eastern service area.

### **3.4.6 Western Service Area Results**

The former western service area was investigated in two stages coincident with redevelopment construction. As the investigation progressed, suspect soils were removed, stockpiled for characterization, a hauled for off-site treatment and disposal. Remedial efforts and results are discussed in Section 4.

Redevelopment construction involved only one significant excavation within the footprint of the former auto dealership. Specifically, an excavation for a mat foundation supporting a stairwell (Mat Foundation Stair 1) was installed to a nominal depth of 7 feet bgs in the southwest portion of the former dealership (Figure 4). The rectangular excavation covered a total area of approximately 2,200 square feet, measuring approximately 35 feet (N-S) by 63 feet (EW). The eastern portion of the excavation extended past the floor trench drain that had served the western service area. The excavation for the stairwell foundation was advanced from east to west, beginning approximately 4 feet east the floor trench drain that served the former western service area.



Gravel bedding material was observed beneath the trench drain but not beneath the floor slab in the western service area. Near-surface soil was brown, gravelly, silty sand extending to contact with weathered gray till (fine-grained sands, silts, and clays). The upper till interface was directly beneath the slab at the north end of the trench drain and appeared to slope west-southwest. The till interface was at approximately 4 feet bgs at the south end of the trench drain and sloped to 6.5 feet bgs under the southwest corner of the former building. Limited saturated conditions were observed in the weathered till at 7 feet bgs and where deeper spot excavations were installed.

Water initially entered the excavation at the southeast corner, from two drain pipes broken by the excavator, and at the northeast corner, from the coarse gravel bedding layer underlying the trench drain. In both cases, the water was observed to have an odor and a sheen. The contractor installed spot excavations to act as sumps from which the water was pumped out for off-site treatment.

A soil sample was collected from the southeast corner of the excavation to characterize the soil in the makeshift sumps. The characterization sample (61218 Trench Characterization) was analyzed for VOCs, PCBs, and RCRA 8 metals, as well as TPH in the gasoline, diesel, and oil ranges. Oil-range TPH was reported in the characterization sample at 3,300 mg/kg, which exceeded the MTCA Method A cleanup level of 2,000 mg/kg. No other analytes were reported above MTCA cleanup levels. Once the in-flow of water had ceased, and the water was pumped out, soils that had been in contact with the water were excavated and removed for off-site treatment and disposal, and the excavation was advanced to its full extent.

Beneath the floor trench drain, soils generally within 2 to 4 feet of the alignment were stained gray, odorous, and yielded positive PID readings. Field indications of contamination diminished with distance from the trench drain alignment. Suspect soils were removed and stockpiled for characterization. The area investigated around the trench drain was entirely within the planned extent of the stairwell foundation.

One hydraulic lift cylinder was encountered near the south-central portion of the excavation and was not associated with any concrete footing or vault. Two hydraulic lift vaults were encountered immediately north of the cylinder and were oriented from southwest to northeast, presumably representing angled service stalls in the former service area. Both vaults contained oily water and a hydraulic cylinder. Each of the three hydraulic cylinders appeared to be empty (containing no fluid or piston) and in good condition, and no subsurface hydraulic pipes or reservoirs were encountered.

Soils underlying the hydraulic cylinder and vaults appeared to be stained gray, were odorous, and yielded positive PID readings. The SCS field geologist noted that the odor was characteristic of mineral spirits, a petroleum-based solvent commonly used for cleaning mechanical parts.

No additional suspect areas were identified in the western service area. Near-surface soil samples were collected at undisturbed locations in the northwest (G12-1.5') and eastern (K10-1.5') portions of the former western service area to verify the apparent absence of contamination. The laboratory reported no detectible concentrations of TPH in diesel or oil ranges, or as mineral spirits in the gasoline range.

In summary, the investigation identified PCS in the immediate vicinity of the floor trench drain alignment and adjacent to one hydraulic lift cylinder and two hydraulic lift vaults. The laboratory confirmed that the sample chromatograms for NWTPH-Gx analysis were consistent with mineral spirits.

### 3.4.7 Eastern Service Area Results

The eastern service area was also investigated coincident with redevelopment construction. As the investigation progressed, suspect soils were removed, stockpiled for characterization, a hauled for off-site treatment and disposal. Remedial efforts and results are discussed in Section 4.

The investigation identified a 6-inch layer of coarse gravel directly beneath the concrete floor slab and trench drain. Near the center of the trench drain alignment, a second trench of coarse gravel was observed intersecting from the northwest. The purpose of the angled, intersecting trench is unknown, but it might have been a French drain. The sub-slab gravel was underlain by gray till throughout the eastern service area, confirming the reports of earlier investigations (e.g., NGI, 1996).

The investigation was advanced generally from south to north, commencing with the removal of the concrete slab and trench drain. In the sub-slab gravel layer and the upper surface of the till, gasoline-range TPH as mineral spirits was reported at 1,700 mg/kg (E. Slab Soil 2), which exceeded the MTCA Method A cleanup level of 100 mg/kg. Diesel- and oil-range TPH were also present in the material but at concentrations of 600 mg/kg and less, and therefore below the MTCA standard of 2,000 mg/kg. No benzene or toluene were detected, and ethylbenzene and xylenes were less than their respective MTCA Method A cleanup criteria.

The contractor removed and stockpiled the sub-slab gravel and the upper surface of the underlying till to approximately 1 foot below the former floor elevation. This exposed the alignments of the trench drain and the assumed French drain, as well as two areas of pea-gravel fill in the north end of the service area, and the location of a dual-piston hydraulic lift near the northeast corner. In addition, an area of sandy fill was encountered near the southwest corner of the area. SCS suspects that the sandy fill was placed after the removal of a waste oil UST from the south end of the eastern service area in November 1988 (NGI, 1993). As noted above, removal of the former waste oil UST included overexcavating soils to meet the state soil cleanup level (100 mg/kg TPH) in place at the time.

Given that the pre-construction sampling had identified petroleum-contaminated groundwater immediately beneath the slab, and the initial sample results had verified contamination in the sub-slab gravel as PCS, the permeable soils were removed and stockpiled as suspect PCS. The area surrounding the dual-piston hydraulic lift was also excavated. The cylinders appeared to be in good condition. No hydraulic fluid was observed, and no reservoir was encountered.

### 3.4.8 Oil/Water Separator Results

The oil/water separators were pumped and rinsed, both immediately prior to the redevelopment and again immediately prior to their removal approximately six months later. SCS observed the excavation and decommissioning process for evidence of contamination in the sand and fine gravel backfill surrounding the separators and the pipes in the vicinity. The four separator vaults themselves were inspected for cracks and other signs of compromised integrity.

Water that initially entered the excavation from broken drain pipes was pumped out and contained temporarily in an on-site tank. Soils in the area exhibited no staining, odors or positive PID readings. Soils that were removed to access and decommission the separators were stockpiled and sampled for characterization. The laboratory reported low concentrations of diesel- and oil-range TPH (230 mg/kg for both) that were less than the MTCA Method A cleanup level of 2,000 mg/kg.

No obvious cracks, loose joints, or other potential sources of leakage were noted for any of the four separators or the associated pipes. The final size of the excavation was 35 feet (north to south) by

15 feet (east to west) by 8 feet deep. Ultimately, soil samples were collected from four locations on the excavation sidewalls and three locations on the excavation floor, and no contaminants were reported above cleanup levels. The samples were all analyzed for gasoline-range TPH (as mineral spirits) and diesel- and oil-range TPH. Two samples were also analyzed for PCBs and PAHs, and one sample was analyzed for VOCs. Diesel- and oil-range TPH were the only analytes detected, but the concentrations (410 mg/kg and less) met state soil cleanup criteria.

As a contingency measure, SCS installed approximately 250 kg of ORC in the oil/water separator excavation immediately prior to backfilling.

### **3.4.9 Wash Pad Results**

At the southwest corner of the former vehicle wash pad, Phase II samples from boring B3 indicated low level PCS and an apparent oil-range TPH exceedance in the direct-push groundwater sample. The area was further investigated when construction activities included installing a drain line through the area. At the location of boring B3, a concrete-pipe junction block was set at approximately 8 feet bgs. The drain line connected the redevelopment's foundation drain system on the east edge of the Property to the public utility lines in the 116<sup>th</sup> Avenue NE right of way. The work was performed comparatively late in the project, due to the presence of construction stormwater-control infrastructure limiting access until February 2019.

SCS was at the site to observe the excavation of the pipe trench through the B3 area. Suspect soils, indicated by apparent petroleum odors, a blueish-gray color, and positive PID readings, were excavated and stockpiled. The extent of suspect soils was limited to an interval approximately 4 feet thick, extending from 2 to 6 feet bgs in an area immediately northeast of location B3. Approximately 15 cubic yards of suspect soils were removed and subject to characterization sampling. A small catch basin was removed concurrently from the wash pad approximately midway between location B3 and the former locations of the oil/water separators, and no field indications of possible contamination were observed where the catch basin was excavated.

In the B3 area, confirmation samples were collected from the down-slope (southwest) sidewall near the Property boundary and from a central location under the main mass of suspect soil. At the location of the small catch basin, a confirmation sample was collected from the floor of the excavation at 6 feet bgs.

All soil samples from the wash pad area were subject to analysis by NWTPH-Gx (mineral spirits) and NWTPH-Dx, consistent with the earlier findings of Supplemental RI and cleanup. No TPH was reported above method detection limits in any of the three confirmation samples. Low levels of gasoline-range and oil-range TPH were reported in the stockpile characterization sample, as anticipated. The results were all below state cleanup levels. SCS communicated to the general contractor that the soils could be used as fill at the site.

The excavation activities encountered no obvious source for the suspect soil at Phase II location B3. Further, groundwater was not encountered at the maximum depth explored of 8 feet bgs, although groundwater had been present at 5.4 feet bgs eleven months previously during the Phase II direct-push investigation.

## 4.0 REMEDIAL ACTION

As noted above, the remedial activities were completed during redevelopment of the Property and concurrent with the supplemental RI activities in the former service areas (described above in Sections 3.4.6 and 3.4.7). The selected remedial approach for the former Bellevue Chrysler Plymouth site was excavation and removal of the petroleum hydrocarbon impacted soil for off-site treatment and disposal.

The remediation approach at the former Bellevue Chrysler Plymouth site during the Property redevelopment was intended to be completed as a model remedy, consistent with WAC 173-340-390. As a result, and because the redevelopment construction activities dictated the remediation approach, no Feasibility Study or Disproportionate Cost Analysis was prepared.

Petroleum hydrocarbon impacted groundwater was confirmed at the site during the supplemental RI. Therefore, after the petroleum impacted soil (source material) was removed, SCS distributed ORC into the excavations to facilitate remediation of any residual groundwater contamination.

Contaminated soils hauled from the Property were treated by thermal desorption at Cadman's Everett facility. The Cadman soil treatment plant is co-located with an inert-debris landfill that is permitted to accept the treated soil. All contaminated soils removed from the Property were accompanied by the appropriate transportation manifests, which had been prepared by Cadman based on characterization data provided by SCS. Appendix E includes copies of soil weigh tickets and a summary table of soil loads from the Property that were processed by Cadman.

Contaminated soil was characterized and removed as summarized below.

### 4.1 WESTERN SERVICE AREA REMEDIATION

In the western service area, remedial soil excavation occurred at the following locations:

- Along the full length of the trench drain alignment
- In the vicinity of the hydraulic lift cylinder and two hydraulic lift vaults discovered in the southwest portion of the western service area

Soils surrounding the south end of the trench drain were entirely within the planned extent of the stairwell foundation described above in Section 3.4.6. Suspect soils were segregated and stockpiled for characterization. Confirmation samples were collected under the trench drain near the northeast and southeast corners of the stairwell foundation (MFS1NEFloor7' and I4-4', respectively). The samples were analyzed for TPH in the diesel and oil ranges and in the gasoline range as mineral spirits. The northeast sample was also analyzed for VOCs, including BTEX compounds. The only analytes detected were low concentrations of diesel and oil-range TPH (130 and 150 mg/kg, respectively) reported in the sample from the near the southeast corner. Between these two locations, direct-push sample B-11-7' was referenced to confirm the absence of detectible diesel- or oil-range TPH beneath the trench drain at 7' bgs.

As the stairwell-foundation excavation was advanced to the west, one hydraulic lift cylinder and two hydraulic lift vaults were discovered and investigated. Three lift cylinders were removed, and water in the two vaults was pumped out and stored for subsequent off-site treatment and discharge. Beneath the hydraulic lifts, the floor of the excavation was advanced into the till layer from 7 to 9 feet bgs, based on PID readings. Confirmation soil samples were collected beneath the former locations of the

hydraulic cylinder and each of the two vaults. Low concentrations of gasoline-range TPH as mineral spirits were reported in the confirmation samples (ranging from 70 to less than 3 mg/kg), but no detectible concentrations of diesel- and oil-range TPH, BTEX compounds or VOCs (one sample) were reported.

Characterization samples were collected from two stockpiles of suspect soil. One of the samples was a composite of material in both stockpiles (MFS1 Vault SPA), and a second sample was a discrete sample (MFS1 Vault SPB) to facilitate analyses for volatile contaminants. Characterization analytes included VOCs, PCBs, and MTCA 5 metals, as well as TPH in the gasoline, diesel, and oil ranges. Gasoline-range TPH was reported as mineral spirits at 250 mg/kg, which exceeded the MTCA Method A cleanup level of 100 mg/kg. No other analytes were reported above MTCA cleanup levels, although diesel- and oil-range TPH were detected at 160 to 280 mg/kg. Based on the characterization lab results, the stockpiled soils were transported for off-site treatment and disposal. SCS installed 27 kg of ORC in the deeper portions of the stairwell foundation excavation (i.e., under the former hydraulic lifts and where water-containment sumps had been dug in the northeast and southwest corners). The excavation was subsequently filled to 7 feet bgs with controlled-density fill (CDF), and the stairwell foundation was constructed over the area.

The northern limit of the stairwell excavation had bisected the norther-most hydraulic lift vault, removing only the southwest half (recall that the two vaults were situated at an angle relative to the building outline). The adjacent northern area, including the remaining half of the northernmost hydraulic lift vault and the remainder of the floor trench drain, was investigated and remediated one month later, after Mat Foundation Stair 1 was constructed. Suspect soils in its vicinity of the lift vault were removed to a final depth of 10 feet bgs. The trench drain excavation was advanced to approximately 8 feet bgs, becoming shallower as it advanced northward.

One confirmation sample was collected from the beneath the northern portion of the hydraulic lift vault (G9-10'), and two confirmation samples were collected from the northern extent of the trench drain alignment (I10-8' and I3-5'). The laboratory reported low concentrations of gasoline-range TPH as mineral spirits (9 mg/kg) and diesel- and oil-range TPH (180 and 520 mg/kg, respectively) in the samples, but all were below MTCA cleanup standards.

A characterization sample of the stockpiled soil (NC Trench Dr SP) confirmed gasoline-range TPH as mineral spirits at 320 mg/kg, exceeding the cleanup level of 100 mg/kg. Based on the characterization lab results, the stockpiled soils were transported for off-site treatment and disposal. SCS installed 50 kg of ORC in the lift vault excavation and 100 kg of ORC in the trench drain excavation immediately prior to backfilling and compaction.

## **4.2 EASTERN SERVICE AREA**

In the eastern service area, remedial soil excavation occurred at the following locations:

- The full areal extent of the sub-slab gravel
- The alignments of the trench drain and the suspected French drain
- Two areas of pea gravel in the north end
- A dual-piston hydraulic lift near the northeast corner
- An area of sandy fill near the southwest corner.

The initial remedial phase in the eastern service area involved removal of the sub-slab gravel base and the upper surface of the underlying till, which characterization sampling indicated contained concentrations of gasoline-range TPH as mineral spirits in excess of the MTCA Method A cleanup level of 100 mg/kg. The contractor scraped the upper surface of the till to expose dry, hard native till. Confirmation sampling confirmed the absence of elevated contaminant concentrations in the till at 1 foot to 1.5 feet bgs over most of the eastern service area. Subsequently, the other areas listed above were investigated and remediated concurrent with each other. In every case, the excavated soils described in this section were stockpiled as suspected PCS and were later hauled for off-site treatment and disposal. Water that had ponded in low areas on the surface of the till and in areas of deeper permeable soils was pumped into a tank for subsequent off-site treatment and disposal.

The former trench drain alignment was identified and excavated to 2 to 3 feet bgs. A characterization sample from 1 foot bgs beneath the trench drain confirmed that gasoline-range TPH as mineral spirits exceeded the MTCA Method A cleanup level (200 mg/kg in sample P14-2'), and four confirmation samples collected along the alignment from 2 to 3 feet bgs verified that remaining soils met cleanup standards. Similarly, the suspected French drain line that branched to the northwest was excavated to approximately 3 feet bgs, and sample analysis confirmed that remaining soils met cleanup standards.

Two depressions containing pea gravel were encountered at the north end of the trench drain. The pea gravel and adjacent till was excavated and stockpiled as suspected PCS. Lab analyses of soil samples collected at 5 feet bgs from the floors of the two spot excavations, confirmed that no detectible concentrations of TPH remained in the underlying soils. The sample from nearest the northeast corner (Q17-5') was also analyzed for PCBs and PAHs, and none were detected.

One dual-piston hydraulic lift assembly was exposed and removed from near the northeast corner of the eastern service area. Loose soil and adjoining till was excavated, and a soil sample was collected from the excavation floor (R16-8') at approximately 8 feet bgs. The laboratory reported low concentrations of gasoline-range TPH as mineral spirits (6.3 mg/kg) and diesel- and oil range TPH (230 and 320 mg/kg, respectively), but all of the reported detections were well below their respective MTCA Method A cleanup values.

An area of sandy fill was encountered in the southwest corner of the eastern service area (locations N4 and N5). SCS suspects that the fill was placed after the removal of a waste oil UST from the south end of the eastern service area in November 1988 (NGI, 1993). As noted above, removal of the former waste oil UST included overexcavating soils to meet the state soil cleanup level (100 mg/kg TPH) in place at the time. By 2018, the high water table in the vicinity, and the porous nature of the backfill, had resulted in the sandy, granular fill becoming stained and odorous, consistent with the sub-slab bedding layer observed under the remainder of the eastern service area. Therefore, the area was overexcavated to remove suspect high-permeability fill.

In the Eastern Service Area, SCS installed 450 kg of ORC in the deeper excavations, including along the drain alignments and in areas where porous fill and the dual-piston vehicle lift had been removed.

## 5.0 DISCUSSION

Petroleum-contaminated soil was confirmed at and removed from the Property. As noted above, the analytes selected for the supplemental RI and the remediation were based on site-specific information and the listed analytes in MTCA Table 830-1, Required Testing for Petroleum Releases. The site COCs are listed in Section 3.2, Investigative Methods. The project outcomes addressed recognized environmental conditions and data gaps identified by historical Phase I ESAs.

### 5.1 CONCEPTUAL SITE MODEL

As previously noted, the Property was occupied by an automotive dealership (most recently Eastside Chrysler Jeep) from approximately 1960 through 2009. Vehicle maintenance and repair operations over this period included the use of petroleum products and the generation of petroleum waste. The building remained vacant between 2009 and late 2017, when the structure was demolished to prepare the site for redevelopment.

The former automotive service operations resulted in soil and groundwater contamination at the Property. During the 1990s, several interim cleanup actions were undertaken, which resulted in an NFA designation in 2000. However, the presence of the dealership building limited the scope of these remedial activities. Residual petroleum contamination was expected beneath the building. Subsequent site investigations and the supplemental RI documented in this report better defined the nature and extent of the residual petroleum contamination. The cumulative data have also been used to confirm that the in-place soils meet all applicable MTCA soil standards. Given the relatively simple nature of the site, the absence of exposure pathways, and the fact that the site cleanup was intended to be completed as a model remedy consistent with WAC 173-340-390, the following narrative description of the conceptual site model is provided in lieu of a graphical representation in a figure.

#### 5.1.1 Contaminant Nature and Extent

##### Soil

Oil-range TPH and gasoline-range TPH as mineral spirits were the only two contaminants reported in excess of MTCA soil cleanup levels during the project. Specifically, soils containing elevated concentrations of oil-range TPH were identified in the western service area under the floor trench drain and where water initially flowed into the stairwell excavation. Cleanup level exceedances of gasoline-range TPH as mineral spirits were confirmed in the sub-slab gravel and areas of porous backfill immediately under the eastern service area and in the vicinity of hydraulic lifts and along trench drain alignments in both service areas. The analytical laboratory consistently identified mineral spirits in soil samples analyzed for gasoline-range TPH. This finding was consistent with odors from the remedial excavations, the absence of any historical gasoline storage at the site, and similar investigative and remedial findings at another former auto dealership (the Dodge of Bellevue site) situated a short distance to the north.

No exceedances of diesel-range TPH, heavy metals, or VOCs were identified in soils during the supplemental RI or the remediation. The project identified no detectible concentrations of benzene, PCBs, or PAHs.

All confirmation soil sampling results for the 2018 remedial action were below MTCA soil cleanup standards. In a limited number of samples, low concentrations of TPH were reported in the three fractional ranges that are quantified by NWTPH-Gx and NWTPH-Dx. No detectible concentrations of

VOCs were reported in any of the confirmation soil samples. Select samples analyzed for heavy metals contained concentrations that were consistent with naturally-occurring background levels.

## Groundwater

The only two contaminants reported in excess of MTCA groundwater cleanup levels during the project were TPH in the diesel and oil ranges. The Supplemental RI confirmed the presence of elevated concentrations of oil-range TPH, and to a lesser extent diesel-range TPH, in perched groundwater under the building slab. The highest concentrations were reported in the sample from the northeast corner of the eastern service area, consistent with historical results.

Groundwater samples collected from three monitoring wells at the Property and from 11 direct-push borings did not contain detectable concentrations of gasoline-range TPH or VOCs. Selected heavy metals were reported in some of the direct-push samples at slightly elevated concentrations, consistent with typical sample turbidity for the direct-push method and collecting the samples in acidified containers, as required by Ecology sampling methods. SCS installed a total of 877 kg of ORC in various excavations throughout the former Bellevue Chrysler Plymouth site to help remediate any residual petroleum in the groundwater.

Historical investigations had identified a consistent groundwater flow direction to the west-southwest with seasonal groundwater elevation changes of 2 to 3 feet. The eastern portion of the former dealership building was built directly on top of low-permeability till, due to the original construction cutting into the till hillside. Groundwater was perched on top of the till, and appeared to be concentrated within the sub-slab gravel base layer beneath the eastern half of the former building. As previously noted, groundwater continued to seep from the eastern hillside throughout the remediation and construction activities.

Two redevelopment features may affect the shallow groundwater regimen:

1. Significant excavation occurred directly upgradient of the former dealership building, cutting eastward into the hillside (and into the glacial till) to install a parking garage and perimeter roadway (see Figure 6). Groundwater discharge from the east slope presented a challenge for the redevelopment design and construction. Ultimately, a network of curtain drains and foundation drains was installed against the development's east wall and under the east edge of the parking garage floor.
2. A trench was installed to run electrical power across the site northward from the south Property boundary running between the two former service areas. The trench was installed to approximately 4 feet bgs and was backfilled with coarse, angular gravel.

A post-remedial groundwater investigation is planned to identify groundwater conditions after redevelopment construction is complete. Of interest is whether the curtain drain and foundation drain network may intercept shallow groundwater before it comes onto the site. If perched groundwater is present, despite the upgradient drain network, the high-permeability electrical trench may intercept groundwater flowing from the former eastern service area, as well as from areas north of the former building.

### 5.1.2 Exposure Pathways

Environmental data obtained from the Bellevue Chrysler Plymouth site indicates petroleum products were historically released into shallow soils and groundwater at the western and eastern service



areas. The observed contamination appears to have entered the environment at floor penetrations, including hydraulic lifts and trench drains. Shallow groundwater in the vicinity of these releases was subsequently impacted by oil-range TPH and, to a lesser extent, mineral spirits.

Soil contact is not considered a significant exposure pathway. Site soils were remediated to meet MTCA Method A cleanup levels. Additionally, redevelopment will entirely cover the former site with a multi-level parking structure.

Groundwater is not considered a significant exposure pathway. No water supply or irrigation wells are located on or near the Property. Groundwater was pumped from remedial excavations and ultimately transported for off-site disposal. ORC was installed in the remedial excavations and in the oil/water separator excavation to help address the potential for residual petroleum contamination. The planned post-remedial groundwater investigation will ascertain whether shallow groundwater is present at the site and whether contamination is present.

Vapor intrusion is not considered a significant exposure pathway, primarily due to the lack of any VOCs detected in the confirmation sampling. Additionally, the former Bellevue Chrysler Plymouth site is entirely covered by multi-level parking for the redevelopment. The parking garage entrance will be approximately coincident with the historical location of the southwest corner of the dealership building. Any potential vapor intrusion risk is mitigated by the nearby presence of an opening to outdoor air and the absence of occupied areas in the vicinity of the former site.

## **5.2 REMEDIAL CONSIDERATIONS**

The remedial goal for the former Eastside Jeep Eagle site is the protection of human health and the environment, including protection against direct contact with contaminated soil, direct contact with contaminated groundwater, and inhalation of contaminant vapors, while allowing for the most beneficial use of the site by the Property owner. As previously noted, none of the soil COCs identified at the site will represent a risk to future site workers or building occupants, and a post-remedial groundwater investigation is being undertaken to assess groundwater.

A terrestrial ecological evaluation (TEE) was completed for the site to assess whether any site COCs could represent a threat to the terrestrial environment or to terrestrial plants or animals, consistent with MTCA regulations. Once the existing site development is complete, the entire site will be covered by a building, including a multi-level parking garage. The site vicinity is characterized by commercial development. Because the site and surrounding area are largely paved and covered with buildings, ecological receptors are prevented from being exposed to any residual COCs that may be present in the site soils or groundwater. As a consequence, the site qualifies for a TEE exclusion under WAC 173-340-7491, and the cleanup standards proposed for the site do not need to meet any terrestrial ecological considerations or criteria.

### **5.2.1 Applicable Cleanup Standards**

MTCA Method A cleanup standards were selected for this project. The Method A standards are published in WAC 173-340-900 as Table 720-1, Method A Cleanup Levels for Groundwater, and Table 740-1, Method A Soil Cleanup Levels for Unrestricted Land Uses. The specific cleanup levels are included in the bottom rows of the summary data tables provided in Appendix B.

## 5.2.2 Points of Compliance

The applicable point of compliance for the COCs and affected media identified at the former Bellevue Chrysler Plymouth site are summarized in the table below.

Exhibit 2. Applicable MTCA Points of Compliance

Media	Applicable WAC	Point of Compliance
Soil Quality	173-340-740 (6)(d)	For protection of human health through direct contact, the soil point of compliance is from the ground surface to 15 feet below ground surface.
Groundwater Quality	173-340-720 (8)(b)	The standard point of compliance is throughout the site from the uppermost level of the saturated zone extending vertically to the lowest most depth that could potentially be affected by the site.

## 5.2.3 Selected Site Remedy

Remediation by contaminant removal for off-site treatment and disposal was selected for the petroleum contaminated soil. The soil remediation was intended to be completed as a model remedy consistent with WAC 173-340-390.

Groundwater monitoring has been initiated to evaluate whether residual petroleum contamination is present in the groundwater. In addition to the soil (source) removal, 877 kg of ORC was installed in various excavations at the former Bellevue Chrysler Plymouth site to address any residual petroleum in the shallow groundwater. The groundwater monitoring is intended to support a model remedy for the petroleum impacted groundwater.

## 6.0 CONCLUSIONS AND RECOMMENDATIONS

Site contaminants identified in excess of MTCA Method A cleanup levels were limited to oil-range TPH and gasoline-range TPH as mineral spirits in the soil and diesel- and oil-range TPH in groundwater. All confirmation soil sampling results for the 2018 remedial action were below MTCA soil cleanup standards for TPH, VOCs and select heavy metals. No detectable concentrations of PAHs or PCBs were reported by the laboratory.

Based on these findings, no additional soil investigations or soil cleanup activities are recommended. A post-remedial groundwater investigation is planned to identify whether shallow groundwater is present at the site and assess its quality.

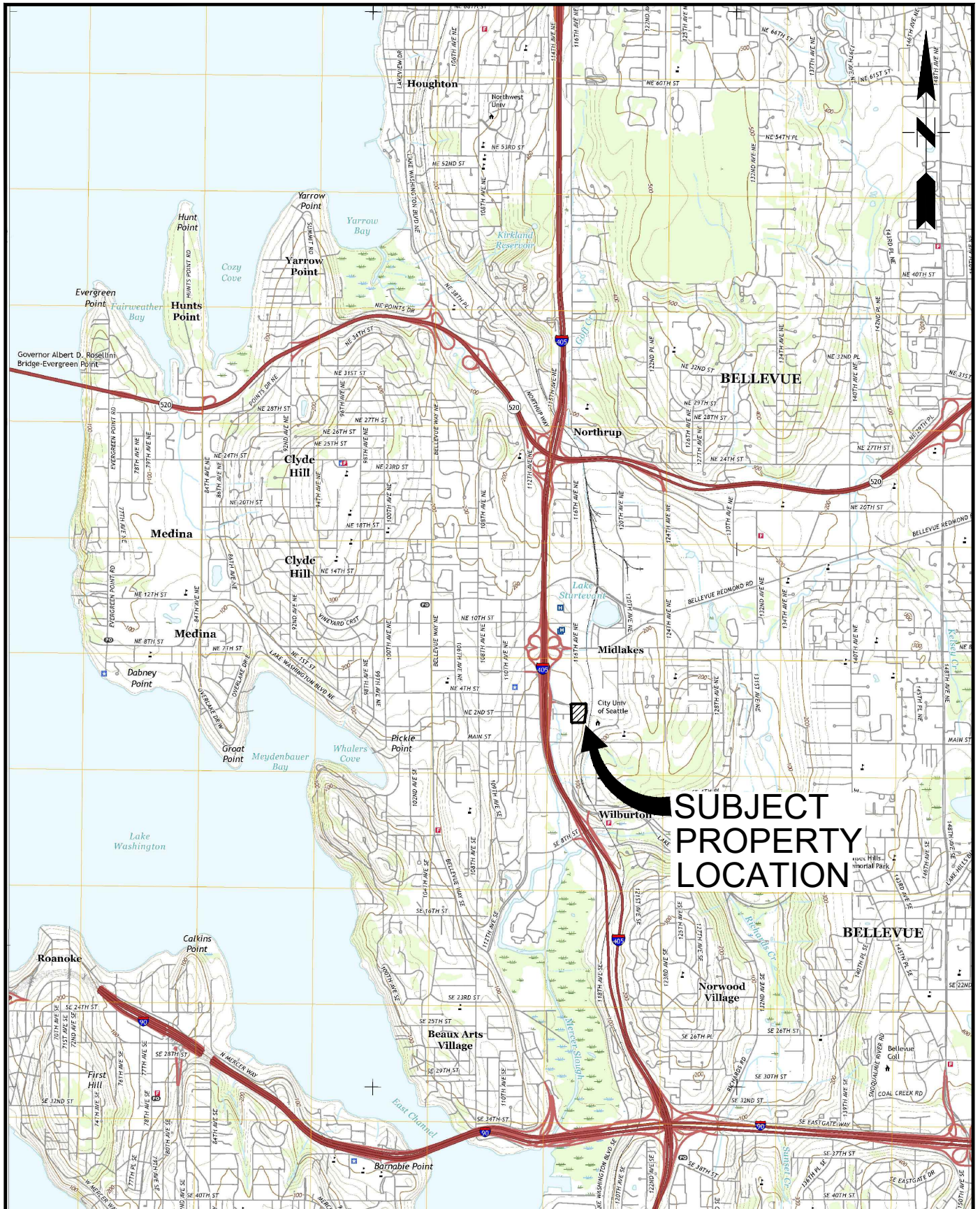
It is recommended that a copy of this report be provided to Ecology for technical review with an application to enter the VCP. In addition, the field and chemical data obtained during the supplemental remedial investigation and cleanup actions should be entered into Ecology's Environmental Information Management (EIM) system. Of interest will be Ecology's opinion regarding site closure if site redevelopment features have intercepted on-flowing shallow groundwater such that the site is dry. The ultimate goal is to obtain an NFA designation for the site after completing the post-remedial groundwater investigation.



# Appendix A

## Figures





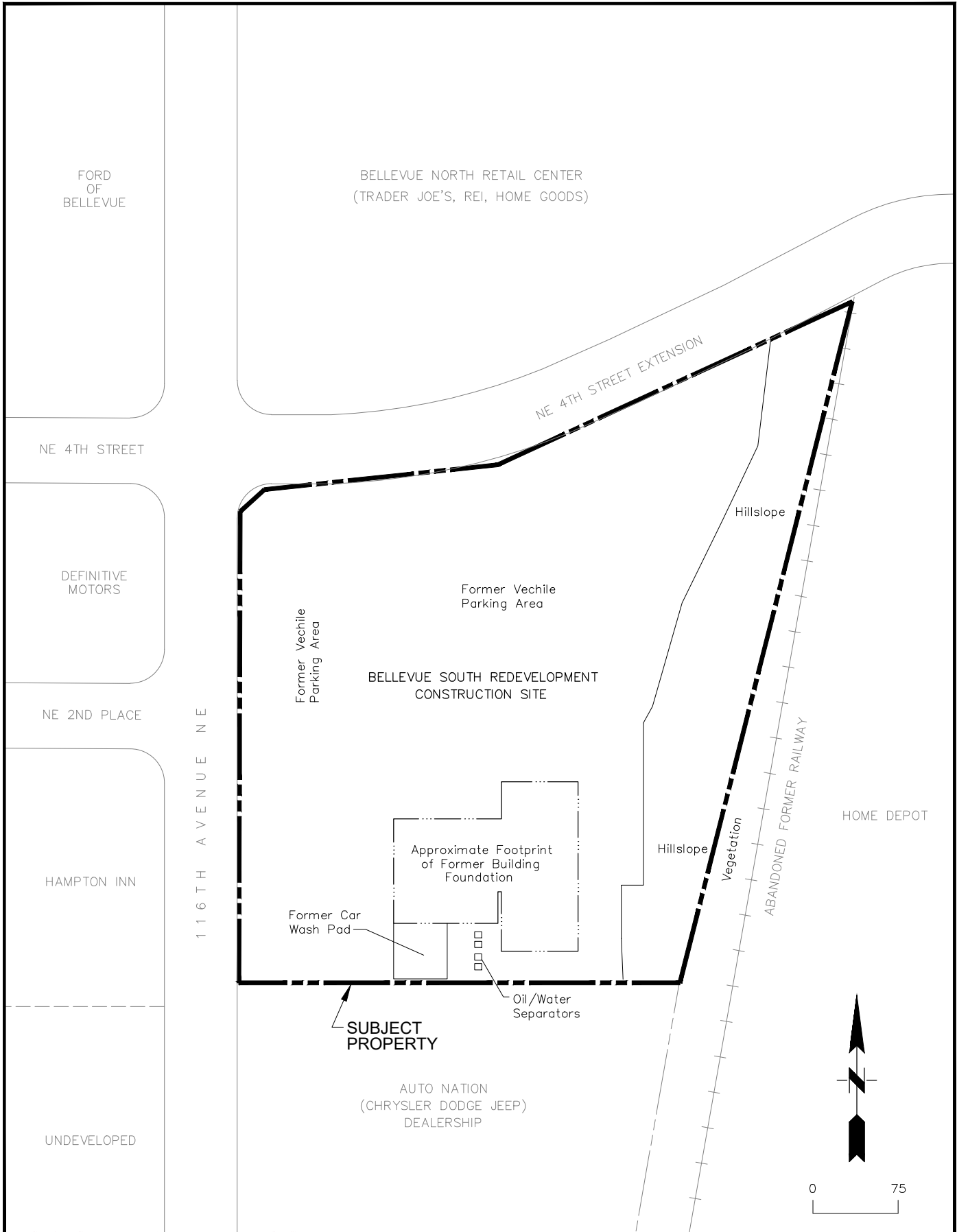
SOURCE: USGS MAPS

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PROJECT NO. 04218014.00	DES BY B.D.
SCALE AS SHOWN	CHK BY B.D.
CAD FILE FIGURE 1	APP BY G.H.

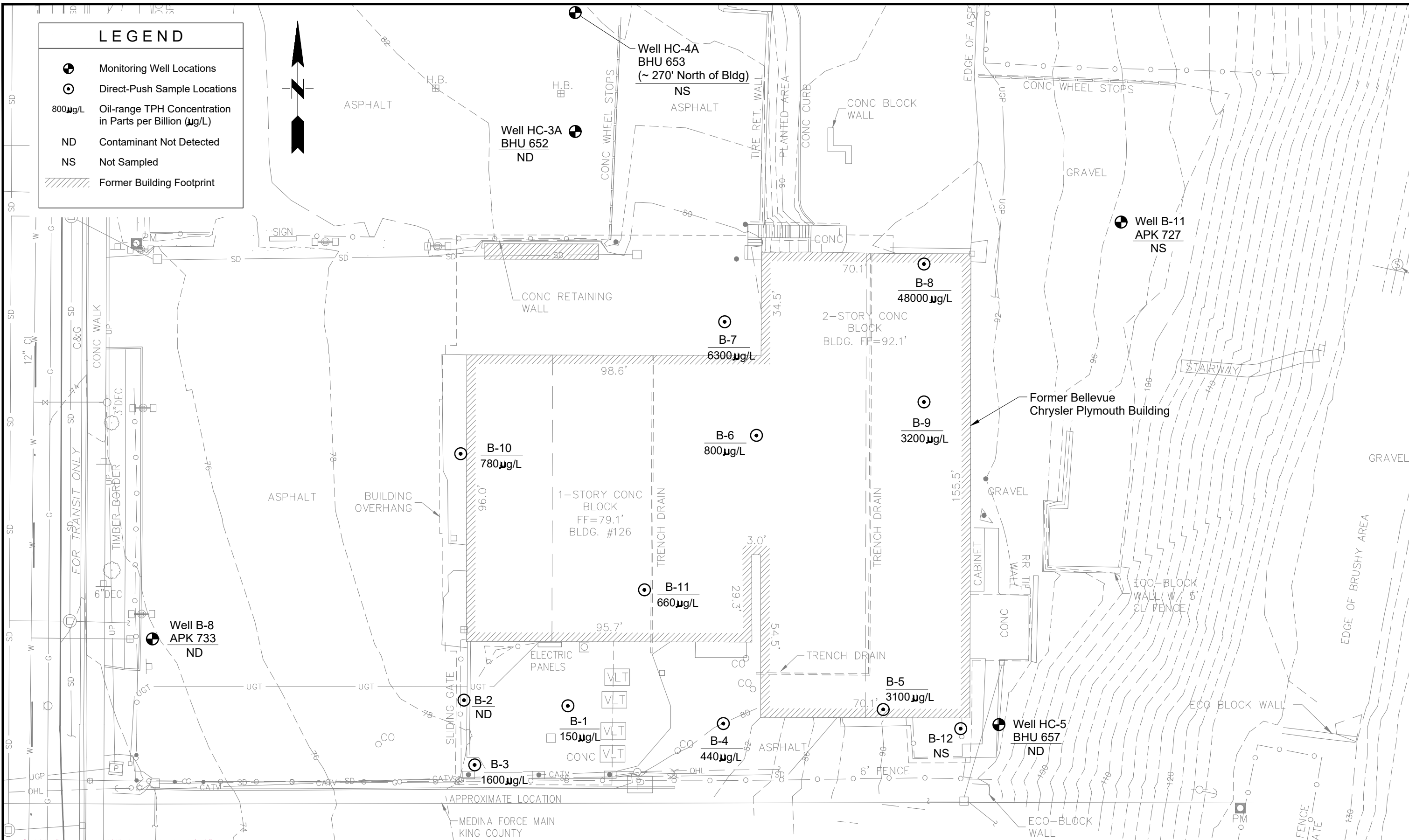
**SITE LOCATION MAP**  
 FORMER BELLEVUE CHRYSLER PLYMOUTH  
 126 116TH AVENUE NE  
 BELLEVUE, WASHINGTON 98390

DATE JANUARY 2019
FIGURE <b>1</b>

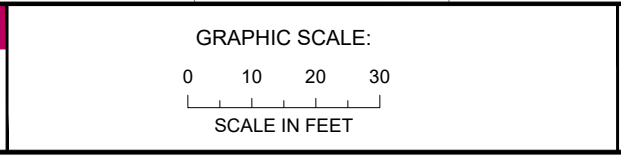


<b>SCS ENGINEERS</b> Environmental Consultants and Contractors 2405 140th Avenue NE, Suite 107 Bellevue, Washington 98005 (425) 746-4600 FAX: (503) 684-6948	PROJECT NO. 04218014.00	DES BY B.D.	<b>SITE PLAN</b> BELLEVUE SOUTH PRE-REDEVELOPMENT CONFIGURATION 200 116th AVENUE NE BELLEVUE, WASHINGTON 98004	DATE JANUARY 2019
	SCALE AS SHOWN	CHK BY B.D.		FIGURE <b>2</b>
	CAD FILE FIGURE 2	APP BY G.H.		





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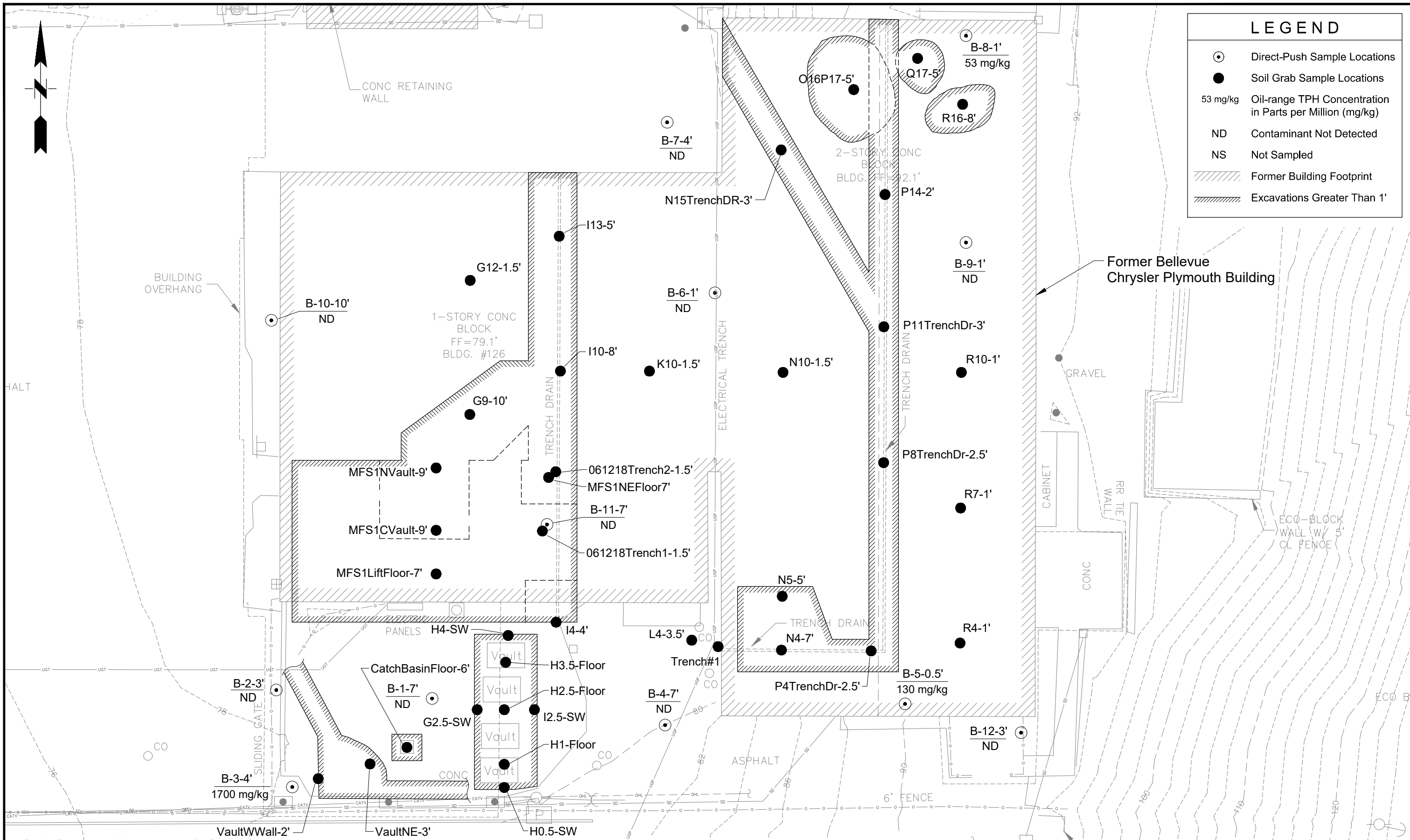


SOURCE: BARGHAUSEN

PROJECT NO.	04218014.00	DES BY	B.D.
SCALE	AS SHOWN	CHK BY	B.D.
CAD FILE	FIGURE 3	APP BY	G.H.

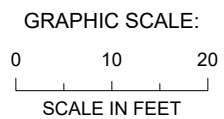
INVESTIGATION SAMPLE LOCATIONS  
 AND HISTORICAL SITE FEATURES  
 FORMER BELLEVUE CHRYSLER PLYMOUTH  
 126 116TH AVENUE NE  
 BELLEVUE, WASHINGTON 98004

DATE  
 JANUARY 2019  
 FIGURE  
**3**



LEGEND	
	Direct-Push Sample Locations
	Soil Grab Sample Locations
53 mg/kg	Oil-range TPH Concentration in Parts per Million (mg/kg)
ND	Contaminant Not Detected
NS	Not Sampled
	Former Building Footprint
	Excavations Greater Than 1'

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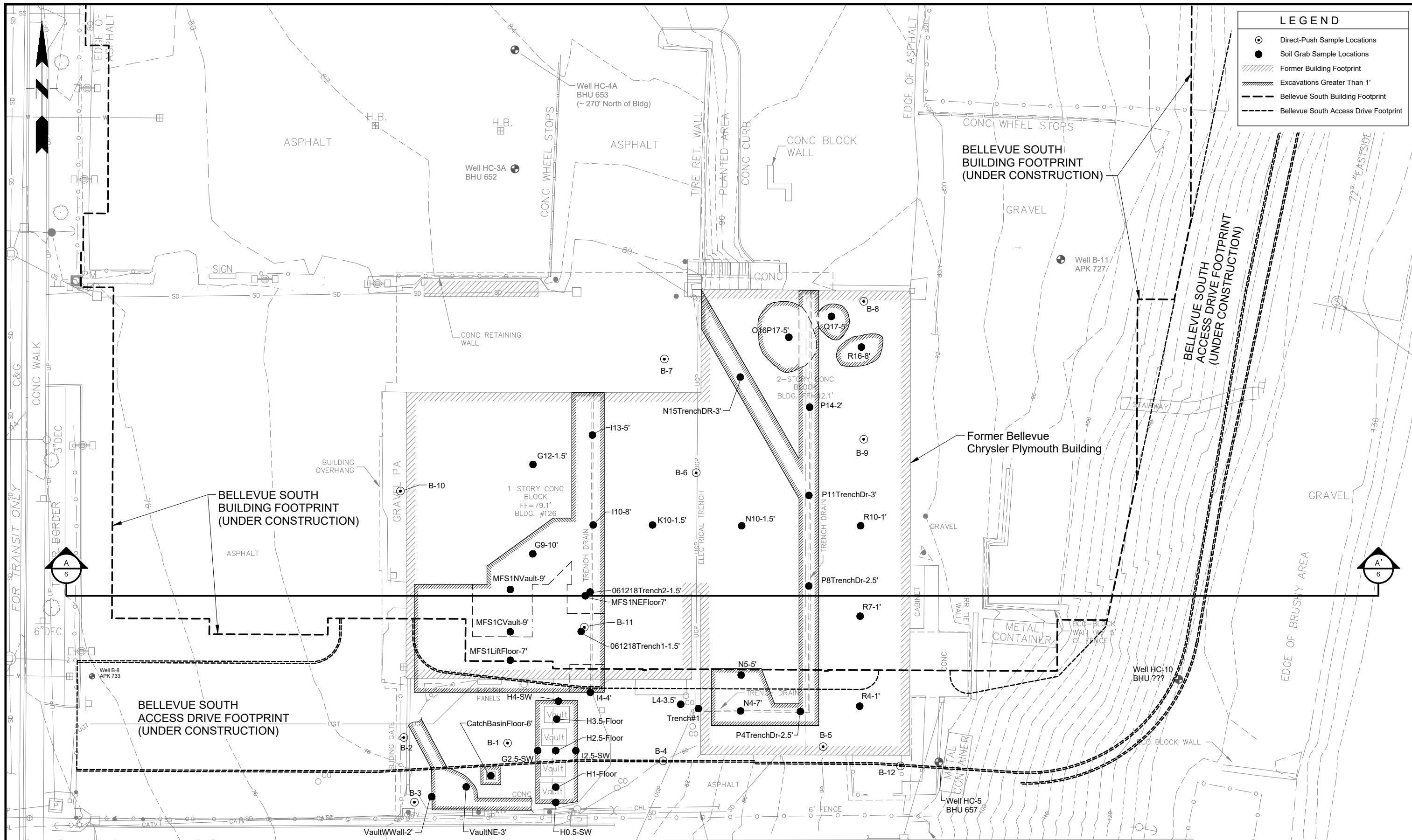
SOURCE: BARGHAUSEN

PROJECT NO.	04218014.00	DES BY	B.D.
SCALE	AS SHOWN	CHK BY	B.D.
CAD FILE	FIGURE 4	APP BY	G.H.

REMEDIAL SOIL EXCAVATIONS AND  
 HISTORICAL SITE FEATURES  
 FORMER BELLEVUE CHRYSLER PLYMOUTH  
 126 116TH AVENUE NE  
 BELLEVUE, WASHINGTON 98004

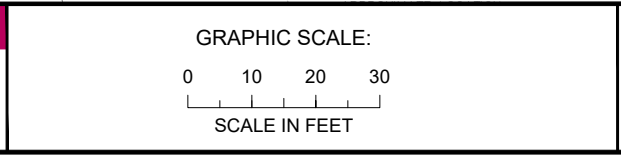
DATE  
 MARCH 2019

FIGURE  
 4



LEGEND	
	Direct-Push Sample Locations
	Soil Grab Sample Locations
	Former Building Footprint
	Excavations Greater Than 1'
	Bellevue South Building Footprint
	Bellevue South Access Drive Footprint

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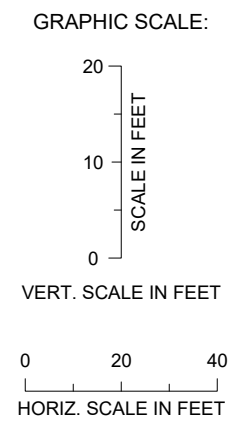
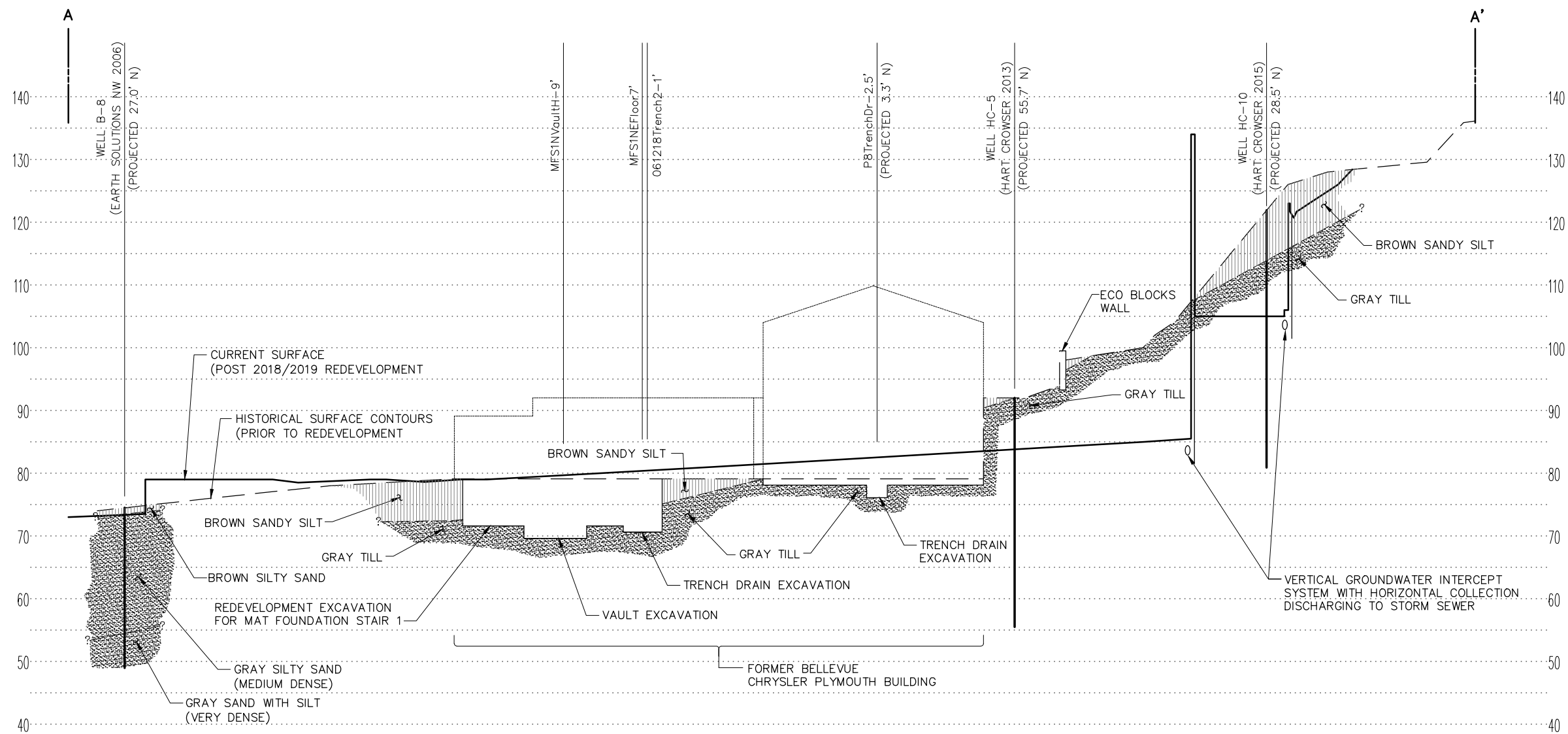


SOURCE: BARGHAUSEN

PROJECT NO.	04218014.00	DES BY	B.D.
SCALE	AS SHOWN	CHK BY	B.D.
CAD FILE	FIGURE 5	APP BY	G.H.

CROSS-SECTION PLAN VIEW WITH  
 CURRENT AND HISTORICAL SITE FEATURES  
 FORMER BELLEVUE CHRYSLER PLYMOUTH  
 126 116TH AVENUE NE  
 BELLEVUE, WASHINGTON 98004

DATE  
 MARCH 2019  
 FIGURE  
**5**



**CROSS-SECTION A-A'**

SCALE: HORIZ: 1" = 40'  
VERT: 1" = 20'

## Appendix B

### Tables



Table 1  
SUMMARY OF 2018 INVESTIGATION ANALYTICAL RESULTS  
BELLEVUE SOUTH, FORMER BELLEVUE CHRYSLER PLYMOUTH  
BELLEVUE, WASHINGTON

Sample Designation	Location Description	Sample Date	Total Petroleum Hydrocarbons			Volatile Organic Compounds (VOCs)					Total Metals							
			TPH-G	TPH-D	TPH-Oil	Benzene	Toluene	Ethylbenzene	Total Xylenes	Volatile Organic Compounds (VOCs)	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
milligrams per kilogram (mg/kg, or parts per million)																		
<b>SOIL RESULTS from Planning Investigation Samples (March 5 &amp; 6, 2018)</b>																		
B-1-7'	West of oil/water separators	3/5/2018	<3	<25	<50	<0.030	<0.050	<0.050	<0.20	ND	2.2	31	<0.50	24	1.4	<0.020	<5	<0.50
B-2-3'	Near southwest corner of bldg	3/5/2018	<3	<25	<50	<0.030	<0.050	<0.050	<0.20	ND	2.0	38	<0.50	25	1.9	<0.020	<5	<0.50
B-3-4'	20 feet south of B-2	3/5/2018	--	<120	1,700	--	--	--	--	--	--	--	--	--	--	--	--	--
B-4-7'	Near SW corner of east service bays	3/5/2018	<3	<25	<50	<0.030	<0.050	<0.050	<0.20	ND	1.7	22	<0.50	16	1.3	<0.020	<5	<0.50
B-5-0.5'	Inside south end of east service bays	3/5/2018	--	68	130	--	--	--	--	--	--	--	--	--	--	--	--	--
B-6-1'	Between east and west service bays	3/5/2018	--	<25	<50	--	--	--	--	--	--	--	<0.50	--	--	<0.020	<5	<0.50
B-7-4'	Approx. 70 feet west of B-8	3/5/2018	<3	<25	<50	<0.030	<0.050	<0.050	<0.20	ND	1.2	25	<0.50	18	1.2	<0.020	<5	<0.50
B-8-1'	Inside NE corner of east service bays	3/5/2018	<3	<25	53	<0.030	<0.050	<0.050	<0.20	ND	1.4	33	<0.50	17	1.6	<0.020	<5	<0.50
B-9-1'	Approx. 50 feet south of B-8	3/5/2018	<3	<25	<50	<0.030	<0.050	<0.050	<0.20	ND	1.3	26	<0.50	16	1.8	<0.020	<5	<0.50
B-10-10'	Immediately west of former showroom	3/5/2018	--	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--
B-11-7'	Inside south portion of west service bays	3/6/2018	--	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--
B-12-3'	Outside SE corner of east service bays	3/6/2018	--	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--
Ecology MTCA Method A:			100	2,000	2,000	0.03	7	6	9	Various	20	None	2	2,000	250	2	None	None
micrograms per liter (µg/l, or parts per billion)																		
<b>GROUNDWATER RESULTS from Planning Investigation Samples (March 5 &amp; 6, 2018)</b>																		
B-1	West of oil/water separators	3/5/2018	<50	150	<250	<2	<2	<2	<2	ND	3.7	18	<1	4	<1	<0.20	<4	<1
B-2	Near southwest corner of bldg	3/5/2018	<50	<130	<250	<2	<2	<2	<2	ND	19.0	370	<1	73	6.3	<0.20	<4	<1
B-3	20 feet south of B-2	3/5/2018	--	560	1,600	--	--	--	--	--	--	--	--	--	--	--	--	--
B-4	Near SW corner of east service bays	3/5/2018	<50	210	440	<2	<2	<2	<2	ND	30	3200	1.7	78	2.4	<0.20	<4	<1
B-5	Inside south end of east service bays	3/5/2018	--	1,700	3,100	--	--	--	--	--	--	--	--	--	--	--	--	--
B-6	Between east and west service bays	3/5/2018	--	500	800	--	--	--	--	--	--	--	--	--	--	--	--	--
B-7	Approx. 70 feet west of B-8	3/5/2018	<50	1,400	6,300	<2	<2	<2	<2	ND	13	290	<1	140	13	<0.20	<4	<1
B-8	Inside NE corner of east service bays	3/5/2018	<50	33,000	48,000	<2	<2	<2	<2	ND	4.7	76	<1	15	32	<0.20	<4	<1
B-9	Approx. 50 feet south of B-8	3/5/2018	<50	1900	3200	<2	<2	<2	<2	ND	7.7	140	1.2	37	43	<0.20	<4	<1
B-10	Immediately west of former showroom	3/5/2018	--	390	780	--	--	--	--	--	--	--	--	--	--	--	--	--
B-11	Inside south portion of west service bays	3/6/2018	--	340	660	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-B-8	Near Southwest corner of property	3/6/2018	--	<130	<250	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-HC-5	Near Southeast corner of property	3/6/2018	--	<130	<250	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-HC-3A	North of former building	3/6/2018	--	<130	<250	--	--	--	--	--	--	--	--	--	--	--	--	--
Ecology MTCA Method A:			1,000	500	500	5	1,000	700	1,000	Various	5	None	5	50	15	2	None	None

Notes:  
TPH-G = gasoline-range total petroleum hydrocarbons  
TPH-D = diesel-range total petroleum hydrocarbons  
TPH-Oil = Oil-range total petroleum hydrocarbons  
<5 = Not detected at or above the reporting or detection limit indicated  
-- = Not analyzed  
MTCA = Model Toxics Control Act  
Shaded concentrations exceed the MTCA Method A screening level value

Table 2  
SUMMARY OF EXCAVATION ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM  
BELLEVUE SOUTH, FORMER BELLEVUE CHRYSLER PLYMOUTH  
BELLEVUE, WASHINGTON

Sample Designation	Location Description	Sample Date	Total Petroleum Hydrocarbons			PCBs	PAHs	Volatile Organic Compounds (VOCs)					Total Metals									
			TPH-G (Mineral Spirits)	TPH-D	TPH-O	PCB Arochlors	Polycyclic Aromatic Hydrocarbons by SIM	Benzene	Toluene	Ethylbenzene	Total Xylenes	Volatile Organic Compounds (VOCs)	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Nickel	Selenium	Silver	Zinc
milligrams per kilogram (mg/kg, or parts per million)																						
<b>Western Service Area: Mat Stair Foundation 1 (MFS1) Excavation 35' x 63' (SW portion of former bldg footprint)</b>																						
61218 Trench 1-1.5'	Characterization: 1' below former trench drain (above Geoprobe B-11-7')	6/12/2018	--	<210	<b>2,300</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
61218 Trench 2-1.5'	Characterization: NE corner of excav. 1' below former trench drain line	6/12/2018	--	<60	470	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
61218 Trench Characteriz.	Characterization: SE corner of excav. at area of pooled influent 4' bgs	6/12/2018	54	<330	<b>3,300</b>	ND	--	<0.00039	<0.002	0.00046	0.003	<MTCA	<11	56	<0.57	46	53	<0.29	--	<11	<1.1	
MFS1 NE Floor 7"	Confirmation: NE corner of excav. below "61218 Trench 2"	6/13/2018	<3	<25	<50	--	--	<0.005	<0.010	<0.010	<0.020	ND	--	--	--	--	--	--	--	--	--	
MFS1 Lift Floor 7"	Confirmation: area beneath buried hydraulic lift piston (no vault)	6/13/2018	<3	<25	<50	--	--	<0.030	<0.050	<0.050	<0.200	ND	--	--	--	--	--	--	--	--	--	
MFS1 C Vault 9'	Confirmation: area beneath central concrete vault for hydraulic lift	6/14/2018	70	<25	<50	--	--	<0.030	<0.050	<0.050	<0.200	--	--	--	--	--	--	--	--	--	--	
MFS1 N Vault 9'	Confirmation: area beneath SW end northern lift vault	6/14/2018	9.5	<25	<50	--	--	<0.030	<0.050	<0.050	<0.200	--	--	--	--	--	--	--	--	--	--	
MFS1 Vault SPA	Characterization: stockpile A sample for soils removed 6/14/2018	6/14/2018	<b>250</b>	160	230	ND	--	<0.005	<0.010	0.025	0.050	<MTCA	1.6	--	<0.50	<0.50	<0.50	<0.20	--	--	--	
MFS1 SPB	Characterization: stockpile B sample for soils removed 6/14/2018	6/14/2018	--	180	280	ND	--	--	--	--	--	--	1.7	--	<0.50	20	7	<0.20	--	--	--	
14-4'	Confirmation: verifies cleanup of area in "61218 Trench Characteriz."	10/31/2018	<3	130	150	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
<b>Western Service Area: North Portion</b>																						
K10-1.5'	Confirmation: area beneath slab, west shop, east of trench drain	7/12/2018	<3	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
G12-1.5'	Confirmation: area beneath slab, west shop, west of trench drain	7/12/2018	<3	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
G9-10'	Confirmation: area beneath NE end northern lift vault	7/12/2018	3	<25	<50	ND	ND	--	--	--	--	--	<0.20	--	<0.10	2.0	0.1	<0.020	2.5	--	2.0	
I13-5'	Confirmation: floor of trench drain excavation	7/12/2018	9	180	520	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
I10-8'	Confirmation: floor of trench drain excavation	7/12/2018	<3	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
NC Trench Dr SP	Characterization: soils from beneath trench drain, west shop, north portion	7/12/2018	<b>320</b>	180	360	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
<b>Eastern Service Area</b>																						
E. Slab Soil 1	Characterization: ~15' N of S wall (TPH-D & TPH-O from composite of 5 points across area. TPH-G & VOCs from center under trench drain)	7/5/2018	3.2	180	330	--	--	<0.030	<0.050	<0.050	<0.200	--	--	--	--	--	--	--	--	--	--	
E. Slab Soil 2	Characterization: ~40' N of S wall (TPH-D & TPH-O from composite of 5 points across area. TPH-G & VOCs from center under trench drain)	7/5/2018	<b>1,700</b>	570	600	--	--	<0.300	<0.500	1.8	6.2	--	--	--	--	--	--	--	--	--	--	
E. Slab Soil 3	Characterization: ~70' N of S wall (TPH-D & TPH-O from composite of 5 points across area. TPH-G & VOCs from center under trench drain)	7/5/2018	86	210	210	--	--	<0.030	<0.050	<0.050	<0.200	--	--	--	--	--	--	--	--	--	--	
SE Characterize	Characterization: sub-slab granular mat from under east shop, south end	7/9/2018	90	260	120	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
R4-1'	Confirmation: area under sub-slab granular mat	7/9/2018	<3	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
R7-0.5'	Confirmation: area under sub-slab granular mat	7/9/2018	--	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
R7-1'	Confirmation: area under sub-slab granular mat	7/10/2018	<3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SE Trench Dr Characterize	Characterization: soils from beneath trench drain, east shop, south portion	7/9/2018	77	100	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
P4 Trench Dr-2.5'	Confirmation: area beneath trench drain	7/10/2018	<3	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
P8 Trench Dr-2.5'	Confirmation: area beneath trench drain	7/10/2018	12	16	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
R10-1'	Confirmation: area under sub-slab granular mat	7/10/2018	<3	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
N5-5'	Confirmation: sidewall of area beneath fill under trench drain	7/11/2018	15	43	67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
N4-7'	Confirmation: floor of area beneath fill under trench drain	7/11/2018	<3	<25	<50	ND	ND	--	--	--	--	--	<0.20	--	<0.10	1.8	0.2	<0.020	2.0	--	1.6	
Q17-5'	Confirmation: floor of hotspot excavation	7/11/2018	<3	<25	<50	ND	ND	--	--	--	--	--	<0.20	--	<0.10	2.1	0.2	<0.020	2.7	--	2.1	
R16-8'	Confirmation: floor of hydraulic lift excavation	7/11/2018	6.3	230	380	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Q16P17-5'	Confirmation: floor of hotspot excavation	7/11/2018	<3	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
N15 Trench Dr-3'	Confirmation: area beneath granular-fill trench, near trench drain	7/11/2018	<3	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
P11 Trench Dr-3'	Confirmation: area beneath trench drain	7/11/2018	<3	28	56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
P14-1'	Characterization: area beneath trench drain	7/11/2018	<b>200</b>	500	530	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
P14-2'	Confirmation: area beneath trench drain	7/16/2018	<3	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
NE Stockpile	Characterization: stockpile of soils removed from NE portion of shop	7/11/2018	32	190	300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
N10-1.5'	Confirmation: area under sub-slab granular mat, east shop, west side	7/12/2018	<3	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Trench #1	Characterization: Electrical trench 4' bgs, sidewall near bottom at LM4	4/12/2018	--	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
L4-3.5'	Confirmation: west end of trench drain excavation	10/31/2018	<3	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
<b>Oil/Water Separator Area</b>																						
H1-Floor	Confirmation: oil/water separator south floor	11/2/2018	<3	32	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
H2.5-Floor	Confirmation: oil/water separator central floor	11/2/2018	<3	<25	99	--	--	<.005	<.010	<.010	<.020	ND	--	--	--	--	--	--	--	--	--	
H3.5-Floor	Confirmation: oil/water separator north floor	11/2/2018	<3	82	230	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
H0.5-SW	Confirmation: oil/water separator south sidewall	11/2/2018	<3	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
I2.5-SW	Confirmation: oil/water separator east sidewall	11/2/2018	<3	<25	410	ND	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
G2.5-SW	Confirmation: oil/water separator west sidewall	11/2/2018	<3	<25	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
H4-Characterize	Characterization: first soils removed from oil/water separator area	10/31/2018	--	<25	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
H4-SW	Confirmation: oil/water separator north sidewall	11/2/2018	<3	<25	87	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
OWS Char. 1	Characterization: soils removed from oil/water separator area	11/2/2018	--	230	230	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
<b>Wash Pad Area</b>																						
Catch Basin Floor-6'	Confirmation: wash pad catch basin floor	2/26/2019	<6.2	<29	<59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Vault NE-3'	Confirmation: B3/drain pipe junction NE floor	2/27/2019	<3.3	<29	<57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Vault W Wall-2'	Confirmation: B3/drain pipe junction sidewall	2/27/2019	<3.4	<29	<58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
SP-3	Characterization: soils removed from drain line and B3 area	2/27/2019	12	<66	330	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Ecology MTCA Method A:			100	2,000	2,000	Various	Various	0.03	7	6	9	Various	20	None	2	2,000	250	2	1,600	None	None	24,000

Notes:  
 TPH-G = gasoline-range total petroleum hydrocarbons  
 TPH-D = diesel-range total petroleum hydrocarbons  
 TPH-Oil = Oil-range total petroleum hydrocarbons  
 <5 = Not detected at or above the reporting or detection limit indicated  
 -- = Not analyzed  
 MTCA = Model Toxics Control Act  
**Bold & Shaded** concentrations exceed the MTCA Method A screening level value



# Appendix C

## Site Photographs





**Photo 1.** View looking northwest from above the southeast corner of the former dealership in February 2018.



**Photo 2.** View looking northeast from the south side of the western service area. Note the trench drain in the left foreground.



**Photo 3.** Electrical trench excavation, April 2018.



**Photo 4.** View looking north from the south end of the trench drain alignment in the former western service area. Sumps were initially installed at the ends of this excavation to collect water, which was pumped out for off-site disposal. June 2018.



**Photo 5.** Looking east into the excavation for Mat Foundation Stair 1. ORC has been placed in over-excavated areas in the northeast and southeast corners and under where lifts were encountered in the north-central portion of the excavation. June 2018.



**Photo 6.** Looking north during over-excavation of the northern portion of the former trench drain alignment that had served the western service area. July 2018.



**Photo 7.** View looking south at the former eastern service area after removal of most of the concrete floor slab. Characterization sampling and field observations indicated that the gravel bedding layer was contaminated. July 2018.



**Photo 8.** View looking north during over-excavation of the former trench drain alignment that had served the eastern service area. July 2018.



**Photo 9.** View of spot excavations in the northeast corner of the former eastern service area. Note that water is perched on the gray glacial till, which is dry. July 2018.



**Photo 10.** View of the excavation installed to remove a dual-cylinder hydraulic lift from near the northeast corner of the eastern service area (R16). No groundwater was identified within the gray till. July 2018.




**Photo 11.** Backfilling an excavation in the southwest corner of the eastern service area (looking NE). The excavation was installed to remove an area of sandy fill. SCS suspects that the fill was placed after the removal of a waste oil UST in November 1988. July 2018.



**Photo 12.** View of the oil/water separators being removed. October 2018.





Appendix C  
Laboratory Data Reports





March 16, 2018

Mr. Brian Doan  
SCS Engineers  
2405 140th Ave. NE, Suite 107  
Bellevue, WA 98005

Dear Mr. Doan,

On March 6th, 20 samples were received by our laboratory and assigned our laboratory project number EV18030034. The project was identified as your 04218014.00 Bellevue South. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South  
 CLIENT SAMPLE ID: B-1

DATE: 3/16/2018  
 ALS JOB#: EV18030034  
 ALS SAMPLE#: EV18030034-01  
 DATE RECEIVED: 03/06/2018  
 COLLECTION DATE: 3/5/2018 9:20:00 AM  
 WDOE ACCREDITATION: C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	03/07/2018	GAP
TPH-Diesel Range	NWTPH-DX	150	130	1	UG/L	03/08/2018	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	03/08/2018	EBS
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Vinyl Chloride	EPA-8260	U	0.20	1	UG/L	03/14/2018	DLC
Bromomethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Acetone	EPA-8260	U	25	1	UG/L	03/14/2018	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	03/14/2018	DLC
Acrylonitrile	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloroform	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Dibromomethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South  
 CLIENT SAMPLE ID B-1

DATE: 3/16/2018  
 ALS JOB#: EV18030034  
 ALS SAMPLE#: EV18030034-01  
 DATE RECEIVED: 03/06/2018  
 COLLECTION DATE: 3/5/2018 9:20:00 AM  
 WDOE ACCREDITATION: C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	03/14/2018	DLC
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
m,p-Xylene	EPA-8260	U	4.0	1	UG/L	03/14/2018	DLC
Styrene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
o-Xylene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromoform	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
T-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
N-Butylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Mercury	EPA-245.1	U	0.20	1	UG/L	03/12/2018	RAL
Arsenic	EPA-200.8	3.7	1.0	1	UG/L	03/07/2018	RAL
Barium	EPA-200.8	18	1.0	1	UG/L	03/07/2018	RAL
Cadmium	EPA-200.8	U	1.0	1	UG/L	03/07/2018	RAL
Chromium	EPA-200.8	4.0	2.0	1	UG/L	03/07/2018	RAL
Lead	EPA-200.8	U	1.0	1	UG/L	03/07/2018	RAL
Selenium	EPA-200.8	U	4.0	1	UG/L	03/07/2018	RAL
Silver	EPA-200.8	U	1.0	1	UG/L	03/07/2018	RAL

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-01
<b>CLIENT SAMPLE ID</b>	B-1	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 9:20:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS ANALYSIS</b>	
			<b>DATE</b>	<b>BY</b>
TFT	NWTPH-GX	<b>89.8</b>	03/07/2018	GAP
C25	NWTPH-DX	<b>92.7</b>	03/08/2018	EBS
1,2-Dichloroethane-d4	EPA-8260	<b>85.9</b>	03/14/2018	DLC
Toluene-d8	EPA-8260	<b>103</b>	03/14/2018	DLC
4-Bromofluorobenzene	EPA-8260	<b>94.1</b>	03/14/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains an unidentified diesel range product.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-02
<b>CLIENT SAMPLE ID</b>	B-2	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 10:15:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	03/07/2018	GAP
TPH-Diesel Range	NWTPH-DX w/ SGA	U	130	1	UG/L	03/08/2018	EBS
TPH-Oil Range	NWTPH-DX w/ SGA	U	250	1	UG/L	03/08/2018	EBS
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Vinyl Chloride	EPA-8260	U	0.20	1	UG/L	03/14/2018	DLC
Bromomethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Acetone	EPA-8260	U	25	1	UG/L	03/14/2018	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	03/14/2018	DLC
Acrylonitrile	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloroform	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Dibromomethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-02
<b>CLIENT SAMPLE ID</b>	B-2	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 10:15:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	03/14/2018	DLC
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
m,p-Xylene	EPA-8260	U	4.0	1	UG/L	03/14/2018	DLC
Styrene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
o-Xylene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromoform	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
T-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
N-Butylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Mercury	EPA-245.1	U	0.20	1	UG/L	03/12/2018	RAL
Arsenic	EPA-200.8	19	1.0	1	UG/L	03/07/2018	RAL
Barium	EPA-200.8	370	1.0	1	UG/L	03/07/2018	RAL
Cadmium	EPA-200.8	U	1.0	1	UG/L	03/07/2018	RAL
Chromium	EPA-200.8	73	2.0	1	UG/L	03/07/2018	RAL
Lead	EPA-200.8	6.3	1.0	1	UG/L	03/07/2018	RAL
Selenium	EPA-200.8	U	4.0	1	UG/L	03/07/2018	RAL
Silver	EPA-200.8	U	1.0	1	UG/L	03/07/2018	RAL



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-02
<b>CLIENT SAMPLE ID</b>	B-2	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 10:15:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>88.8</b>	03/07/2018	GAP
C25	NWTPH-DX w/ SGA	<b>94.1</b>	03/08/2018	EBS
1,2-Dichloroethane-d4	EPA-8260	<b>86.0</b>	03/14/2018	DLC
Toluene-d8	EPA-8260	<b>103</b>	03/14/2018	DLC
4-Bromofluorobenzene	EPA-8260	<b>93.3</b>	03/14/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-03
<b>CLIENT SAMPLE ID</b>	B-3	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 10:45:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Diesel Range	NWTPH-DX w/ SGA	<b>560</b>	130	1	UG/L	03/08/2018	EBS
TPH-Oil Range	NWTPH-DX w/ SGA	<b>1600</b>	250	1	UG/L	03/08/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
C25	NWTPH-DX w/ SGA	<b>103</b>	03/08/2018	EBS

Chromatogram indicates that it is likely that sample contains light oil/lube oil.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-04
<b>CLIENT SAMPLE ID</b>	B-4	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 11:30:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	03/07/2018	GAP
TPH-Diesel Range	NWTPH-DX	210	130	1	UG/L	03/08/2018	EBS
TPH-Oil Range	NWTPH-DX	440	250	1	UG/L	03/08/2018	EBS
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Vinyl Chloride	EPA-8260	U	0.20	1	UG/L	03/14/2018	DLC
Bromomethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Acetone	EPA-8260	U	25	1	UG/L	03/14/2018	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	03/14/2018	DLC
Acrylonitrile	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloroform	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Dibromomethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-04
<b>CLIENT SAMPLE ID</b>	B-4	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 11:30:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	03/14/2018	DLC
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
m,p-Xylene	EPA-8260	U	4.0	1	UG/L	03/14/2018	DLC
Styrene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
o-Xylene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromoform	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
T-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
N-Butylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Mercury	EPA-245.1	U	0.20	1	UG/L	03/12/2018	RAL
Arsenic	EPA-200.8	30	1.0	1	UG/L	03/07/2018	RAL
Barium	EPA-200.8	3200	1.0	1	UG/L	03/07/2018	RAL
Cadmium	EPA-200.8	1.7	1.0	1	UG/L	03/07/2018	RAL
Chromium	EPA-200.8	78	2.0	1	UG/L	03/07/2018	RAL
Lead	EPA-200.8	2.4	1.0	1	UG/L	03/07/2018	RAL
Selenium	EPA-200.8	U	4.0	1	UG/L	03/07/2018	RAL
Silver	EPA-200.8	U	1.0	1	UG/L	03/07/2018	RAL

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-04
<b>CLIENT SAMPLE ID</b>	B-4	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 11:30:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	94.7	03/07/2018	GAP
C25	NWTPH-DX	96.1	03/08/2018	EBS
1,2-Dichloroethane-d4	EPA-8260	87.4	03/14/2018	DLC
Toluene-d8	EPA-8260	104	03/14/2018	DLC
4-Bromofluorobenzene	EPA-8260	95.5	03/14/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains weathered diesel and lube oil.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-05
<b>CLIENT SAMPLE ID</b>	B-5	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 12:20:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Diesel Range	NWTPH-DX	<b>1700</b>	130	1	UG/L	03/08/2018	EBS
TPH-Oil Range	NWTPH-DX	<b>3100</b>	250	1	UG/L	03/08/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
C25	NWTPH-DX	<b>89.8</b>	03/08/2018	EBS

Chromatogram indicates that it is likely that sample contains light oil/lube oil.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-06
<b>CLIENT SAMPLE ID</b>	B-6	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 12:40:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Diesel Range	NWTPH-DX	<b>500</b>	130	1	UG/L	03/08/2018	EBS
TPH-Oil Range	NWTPH-DX	<b>800</b>	250	1	UG/L	03/08/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
C25	NWTPH-DX	<b>95.0</b>	03/08/2018	EBS

Chromatogram indicates that it is likely that sample contains light oil/lube oil.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-07
<b>CLIENT SAMPLE ID</b>	B-7	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 1:15:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	03/08/2018	GAP
TPH-Diesel Range	NWTPH-DX	1400	260	2	UG/L	03/08/2018	EBS
TPH-Oil Range	NWTPH-DX	6300	500	2	UG/L	03/08/2018	EBS
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Vinyl Chloride	EPA-8260	U	0.20	1	UG/L	03/14/2018	DLC
Bromomethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Acetone	EPA-8260	U	25	1	UG/L	03/14/2018	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	03/14/2018	DLC
Acrylonitrile	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloroform	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Dibromomethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC





**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South  
 CLIENT SAMPLE ID: B-7

DATE: 3/16/2018  
 ALS JOB#: EV18030034  
 ALS SAMPLE#: EV18030034-07  
 DATE RECEIVED: 03/06/2018  
 COLLECTION DATE: 3/5/2018 1:15:00 PM  
 WDOE ACCREDITATION: C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	03/14/2018	DLC
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
m,p-Xylene	EPA-8260	U	4.0	1	UG/L	03/14/2018	DLC
Styrene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
o-Xylene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromoform	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
T-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
N-Butylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Mercury	EPA-245.1	U	0.20	1	UG/L	03/12/2018	RAL
Arsenic	EPA-200.8	13	1.0	1	UG/L	03/07/2018	RAL
Barium	EPA-200.8	290	1.0	1	UG/L	03/07/2018	RAL
Cadmium	EPA-200.8	U	1.0	1	UG/L	03/07/2018	RAL
Chromium	EPA-200.8	140	2.0	1	UG/L	03/07/2018	RAL
Lead	EPA-200.8	13	1.0	1	UG/L	03/07/2018	RAL
Selenium	EPA-200.8	U	4.0	1	UG/L	03/07/2018	RAL
Silver	EPA-200.8	U	1.0	1	UG/L	03/07/2018	RAL

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-07
<b>CLIENT SAMPLE ID</b>	B-7	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 1:15:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

SURROGATE	METHOD	%REC	ANALYSIS	
			DATE	BY
TFT	NWTPH-GX	92.2	03/08/2018	GAP
C25 2X Dilution	NWTPH-DX	98.5	03/08/2018	EBS
1,2-Dichloroethane-d4	EPA-8260	86.4	03/14/2018	DLC
Toluene-d8	EPA-8260	103	03/14/2018	DLC
4-Bromofluorobenzene	EPA-8260	92.2	03/14/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and lube oil.  
 Diesel range product results biased high due to oil range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South  
 CLIENT SAMPLE ID: B-8

DATE: 3/16/2018  
 ALS JOB#: EV18030034  
 ALS SAMPLE#: EV18030034-08  
 DATE RECEIVED: 03/06/2018  
 COLLECTION DATE: 3/5/2018 2:20:00 PM  
 WDOE ACCREDITATION: C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	03/08/2018	GAP
TPH-Diesel Range	NWTPH-DX	33000	2600	20	UG/L	03/08/2018	EBS
TPH-Oil Range	NWTPH-DX	48000	5000	20	UG/L	03/08/2018	EBS
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Vinyl Chloride	EPA-8260	U	0.20	1	UG/L	03/14/2018	DLC
Bromomethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Acetone	EPA-8260	U	25	1	UG/L	03/14/2018	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	03/14/2018	DLC
Acrylonitrile	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloroform	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Dibromomethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South  
 CLIENT SAMPLE ID: B-8

DATE: 3/16/2018  
 ALS JOB#: EV18030034  
 ALS SAMPLE#: EV18030034-08  
 DATE RECEIVED: 03/06/2018  
 COLLECTION DATE: 3/5/2018 2:20:00 PM  
 WDOE ACCREDITATION: C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	03/14/2018	DLC
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
m,p-Xylene	EPA-8260	U	4.0	1	UG/L	03/14/2018	DLC
Styrene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
o-Xylene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromoform	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
T-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
N-Butylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Mercury	EPA-245.1	U	0.20	1	UG/L	03/12/2018	RAL
Arsenic	EPA-200.8	4.7	1.0	1	UG/L	03/07/2018	RAL
Barium	EPA-200.8	76	1.0	1	UG/L	03/07/2018	RAL
Cadmium	EPA-200.8	U	1.0	1	UG/L	03/07/2018	RAL
Chromium	EPA-200.8	15	2.0	1	UG/L	03/07/2018	RAL
Lead	EPA-200.8	32	1.0	1	UG/L	03/07/2018	RAL
Selenium	EPA-200.8	U	4.0	1	UG/L	03/07/2018	RAL
Silver	EPA-200.8	U	1.0	1	UG/L	03/07/2018	RAL

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-08
<b>CLIENT SAMPLE ID</b>	B-8	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 2:20:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>83.4</b>	03/08/2018	GAP
C25 20X Dilution	NWTPH-DX	<b>91.0</b>	03/08/2018	EBS
1,2-Dichloroethane-d4	EPA-8260	<b>87.6</b>	03/14/2018	DLC
Toluene-d8	EPA-8260	<b>103</b>	03/14/2018	DLC
4-Bromofluorobenzene	EPA-8260	<b>93.0</b>	03/14/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains light oil/lube oil.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-09
<b>CLIENT SAMPLE ID</b>	B-9	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 2:45:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	03/08/2018	GAP
TPH-Diesel Range	NWTPH-DX	1900	260	2	UG/L	03/08/2018	EBS
TPH-Oil Range	NWTPH-DX	3200	500	2	UG/L	03/08/2018	EBS
Dichlorodifluoromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Vinyl Chloride	EPA-8260	U	0.20	1	UG/L	03/14/2018	DLC
Bromomethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Carbon Tetrachloride	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trichlorofluoromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Carbon Disulfide	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Acetone	EPA-8260	U	25	1	UG/L	03/14/2018	DLC
1,1-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Methylene Chloride	EPA-8260	U	5.0	1	UG/L	03/14/2018	DLC
Acrylonitrile	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1-Dichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Butanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromochloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Chloroform	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trichloroethene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Dibromomethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromodichloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Hexanone	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
1,3-Dichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Tetrachloroethylene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South  
 CLIENT SAMPLE ID: B-9

DATE: 3/16/2018  
 ALS JOB#: EV18030034  
 ALS SAMPLE#: EV18030034-09  
 DATE RECEIVED: 03/06/2018  
 COLLECTION DATE: 3/5/2018 2:45:00 PM  
 WDOE ACCREDITATION: C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING	DILUTION	UNITS	ANALYSIS	ANALYSIS
			LIMITS	FACTOR		DATE	BY
Dibromochloromethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dibromoethane	EPA-8260	U	0.010	1	UG/L	03/14/2018	DLC
Chlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
m,p-Xylene	EPA-8260	U	4.0	1	UG/L	03/14/2018	DLC
Styrene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
o-Xylene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromoform	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Isopropylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Bromobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
2-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
4-Chlorotoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
T-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
S-Butyl Benzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
P-Isopropyltoluene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
N-Butylbenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	10	1	UG/L	03/14/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Hexachlorobutadiene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Naphthalene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	2.0	1	UG/L	03/14/2018	DLC
Mercury	EPA-245.1	U	0.20	1	UG/L	03/12/2018	RAL
Arsenic	EPA-200.8	7.7	1.0	1	UG/L	03/07/2018	RAL
Barium	EPA-200.8	140	1.0	1	UG/L	03/07/2018	RAL
Cadmium	EPA-200.8	1.2	1.0	1	UG/L	03/07/2018	RAL
Chromium	EPA-200.8	37	2.0	1	UG/L	03/07/2018	RAL
Lead	EPA-200.8	43	1.0	1	UG/L	03/07/2018	RAL
Selenium	EPA-200.8	U	4.0	1	UG/L	03/07/2018	RAL
Silver	EPA-200.8	U	1.0	1	UG/L	03/07/2018	RAL

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-09
<b>CLIENT SAMPLE ID</b>	B-9	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 2:45:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

SURROGATE	METHOD	%REC	ANALYSIS	
			DATE	BY
TFT	NWTPH-GX	91.2	03/08/2018	GAP
C25 2X Dilution	NWTPH-DX	95.1	03/08/2018	EBS
1,2-Dichloroethane-d4	EPA-8260	86.8	03/14/2018	DLC
Toluene-d8	EPA-8260	105	03/14/2018	DLC
4-Bromofluorobenzene	EPA-8260	95.4	03/14/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains light oil/lube oil.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-10
<b>CLIENT SAMPLE ID</b>	B-10	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 3:30:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Diesel Range	NWTPH-DX	<b>390</b>	130	1	UG/L	03/08/2018	EBS
TPH-Oil Range	NWTPH-DX	<b>780</b>	250	1	UG/L	03/08/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
C25	NWTPH-DX	<b>89.6</b>	03/08/2018	EBS

Chromatogram indicates that it is likely that sample contains light oil/lube oil.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-11
<b>CLIENT SAMPLE ID</b>	B-1-7'	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 9:20:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	03/14/2018	GAP
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	03/12/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	03/12/2018	EBS
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromomethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Acetone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Methylene Chloride	EPA-8260	U	20	1	UG/KG	03/06/2018	DLC
Acrylonitrile	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromochloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloroform	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Benzene	EPA-8260	U	5.0	1	UG/KG	03/06/2018	DLC
Trichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Dibromomethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Toluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Tetrachloroethylene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South  
 CLIENT SAMPLE ID B-1-7'

DATE: 3/16/2018  
 ALS JOB#: EV18030034  
 ALS SAMPLE#: EV18030034-11  
 DATE RECEIVED: 03/06/2018  
 COLLECTION DATE: 3/5/2018 9:20:00 AM  
 WDOE ACCREDITATION: C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	03/06/2018	DLC
Chlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
m,p-Xylene	EPA-8260	U	20	1	UG/KG	03/06/2018	DLC
Styrene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
o-Xylene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromoform	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Chlorotoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
4-Chlorotoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
T-Butyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
N-Butylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Mercury	EPA-7471	U	0.020	1	MG/KG	03/12/2018	RAL
Arsenic	EPA-6020	2.2	1.0	5	MG/KG	03/08/2018	RAL
Barium	EPA-6020	31	0.50	5	MG/KG	03/08/2018	RAL
Cadmium	EPA-6020	U	0.50	5	MG/KG	03/08/2018	RAL
Chromium	EPA-6020	24	0.50	5	MG/KG	03/08/2018	RAL
Lead	EPA-6020	1.4	0.50	5	MG/KG	03/08/2018	RAL
Selenium	EPA-6020	U	5.0	5	MG/KG	03/08/2018	RAL
Silver	EPA-6020	U	0.50	5	MG/KG	03/08/2018	RAL

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-11
<b>CLIENT SAMPLE ID</b>	B-1-7'	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 9:20:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS</b>	<b>ANALYSIS</b>
			<b>DATE</b>	<b>BY</b>
TFT	NWTPH-GX	<b>88.8</b>	03/14/2018	GAP
C25	NWTPH-DX	<b>85.7</b>	03/12/2018	EBS
1,2-Dichloroethane-d4	EPA-8260	<b>102</b>	03/06/2018	DLC
Toluene-d8	EPA-8260	<b>101</b>	03/06/2018	DLC
4-Bromofluorobenzene	EPA-8260	<b>92.6</b>	03/06/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-12
<b>CLIENT SAMPLE ID</b>	B-2-3'	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 10:15:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	03/14/2018	GAP
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	03/12/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	03/12/2018	EBS
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromomethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Acetone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Methylene Chloride	EPA-8260	U	20	1	UG/KG	03/06/2018	DLC
Acrylonitrile	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromochloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloroform	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Benzene	EPA-8260	U	5.0	1	UG/KG	03/06/2018	DLC
Trichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Dibromomethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Toluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Tetrachloroethylene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-12
<b>CLIENT SAMPLE ID</b>	B-2-3'	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 10:15:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	03/06/2018	DLC
Chlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
m,p-Xylene	EPA-8260	U	20	1	UG/KG	03/06/2018	DLC
Styrene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
o-Xylene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromoform	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Chlorotoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
4-Chlorotoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
T-Butyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
N-Butylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Mercury	EPA-7471	U	0.020	1	MG/KG	03/12/2018	RAL
Arsenic	EPA-6020	2.0	1.0	5	MG/KG	03/08/2018	RAL
Barium	EPA-6020	38	0.50	5	MG/KG	03/08/2018	RAL
Cadmium	EPA-6020	U	0.50	5	MG/KG	03/08/2018	RAL
Chromium	EPA-6020	25	0.50	5	MG/KG	03/08/2018	RAL
Lead	EPA-6020	1.9	0.50	5	MG/KG	03/08/2018	RAL
Selenium	EPA-6020	U	5.0	5	MG/KG	03/08/2018	RAL
Silver	EPA-6020	U	0.50	5	MG/KG	03/08/2018	RAL

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-12
<b>CLIENT SAMPLE ID</b>	B-2-3'	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 10:15:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>97.0</b>	03/14/2018	GAP
C25	NWTPH-DX	<b>77.5</b>	03/12/2018	EBS
1,2-Dichloroethane-d4	EPA-8260	<b>105</b>	03/06/2018	DLC
Toluene-d8	EPA-8260	<b>100</b>	03/06/2018	DLC
4-Bromofluorobenzene	EPA-8260	<b>92.9</b>	03/06/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-13
<b>CLIENT SAMPLE ID</b>	B-3-4'	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 10:45:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Diesel Range	NWTPH-DX w/ SGA	U	120	5	MG/KG	03/12/2018	EBS
TPH-Oil Range	NWTPH-DX w/ SGA	<b>1700</b>	250	5	MG/KG	03/12/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
C25 5X Dilution	NWTPH-DX w/ SGA	<b>126</b>	03/12/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains light oil.





**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-14
<b>CLIENT SAMPLE ID</b>	B-4-7'	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 11:30:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	03/14/2018	GAP
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	03/12/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	03/12/2018	EBS
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromomethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Acetone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Methylene Chloride	EPA-8260	U	20	1	UG/KG	03/06/2018	DLC
Acrylonitrile	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromochloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloroform	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Benzene	EPA-8260	U	5.0	1	UG/KG	03/06/2018	DLC
Trichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Dibromomethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Toluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Tetrachloroethylene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South  
 CLIENT SAMPLE ID: B-4-7'

DATE: 3/16/2018  
 ALS JOB#: EV18030034  
 ALS SAMPLE#: EV18030034-14  
 DATE RECEIVED: 03/06/2018  
 COLLECTION DATE: 3/5/2018 11:30:00 AM  
 WDOE ACCREDITATION: C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	03/06/2018	DLC
Chlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
m,p-Xylene	EPA-8260	U	20	1	UG/KG	03/06/2018	DLC
Styrene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
o-Xylene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromoform	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Chlorotoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
4-Chlorotoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
T-Butyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
N-Butylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Mercury	EPA-7471	U	0.020	1	MG/KG	03/12/2018	RAL
Arsenic	EPA-6020	1.7	1.0	5	MG/KG	03/09/2018	RAL
Barium	EPA-6020	22	0.50	5	MG/KG	03/09/2018	RAL
Cadmium	EPA-6020	U	0.50	5	MG/KG	03/09/2018	RAL
Chromium	EPA-6020	16	0.50	5	MG/KG	03/09/2018	RAL
Lead	EPA-6020	1.3	0.50	5	MG/KG	03/09/2018	RAL
Selenium	EPA-6020	U	5.0	5	MG/KG	03/09/2018	RAL
Silver	EPA-6020	U	0.50	5	MG/KG	03/09/2018	RAL

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-14
<b>CLIENT SAMPLE ID</b>	B-4-7'	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 11:30:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>86.8</b>	03/14/2018	GAP
C25	NWTPH-DX	<b>84.5</b>	03/12/2018	EBS
1,2-Dichloroethane-d4	EPA-8260	<b>105</b>	03/06/2018	DLC
Toluene-d8	EPA-8260	<b>99.4</b>	03/06/2018	DLC
4-Bromofluorobenzene	EPA-8260	<b>91.9</b>	03/06/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-15
<b>CLIENT SAMPLE ID</b>	B-5-0.5'	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 12:20:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Diesel Range	NWTPH-DX	<b>68</b>	25	1	MG/KG	03/12/2018	EBS
TPH-Oil Range	NWTPH-DX	<b>130</b>	50	1	MG/KG	03/12/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
C25	NWTPH-DX	<b>61.5</b>	03/12/2018	EBS

Chromatogram indicates that it is likely that sample contains weathered diesel and light oil/lube oil.  
Diesel range product results biased high due to oil range product overlap.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-16
<b>CLIENT SAMPLE ID</b>	B-6-1'	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 12:40:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	03/12/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	03/12/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
C25	NWTPH-DX	93.8	03/12/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-17
<b>CLIENT SAMPLE ID</b>	B-7-4'	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 1:15:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	03/14/2018	GAP
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	03/12/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	03/12/2018	EBS
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromomethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Acetone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Methylene Chloride	EPA-8260	U	20	1	UG/KG	03/06/2018	DLC
Acrylonitrile	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromochloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloroform	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Benzene	EPA-8260	U	5.0	1	UG/KG	03/06/2018	DLC
Trichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Dibromomethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Toluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Tetrachloroethylene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South  
 CLIENT SAMPLE ID: B-7-4'

DATE: 3/16/2018  
 ALS JOB#: EV18030034  
 ALS SAMPLE#: EV18030034-17  
 DATE RECEIVED: 03/06/2018  
 COLLECTION DATE: 3/5/2018 1:15:00 PM  
 WDOE ACCREDITATION: C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	03/06/2018	DLC
Chlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
m,p-Xylene	EPA-8260	U	20	1	UG/KG	03/06/2018	DLC
Styrene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
o-Xylene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromoform	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Chlorotoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
4-Chlorotoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
T-Butyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
N-Butylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Mercury	EPA-7471	U	0.020	1	MG/KG	03/12/2018	RAL
Arsenic	EPA-6020	1.2	1.0	5	MG/KG	03/09/2018	RAL
Barium	EPA-6020	25	0.50	5	MG/KG	03/09/2018	RAL
Cadmium	EPA-6020	U	0.50	5	MG/KG	03/09/2018	RAL
Chromium	EPA-6020	18	0.50	5	MG/KG	03/09/2018	RAL
Lead	EPA-6020	1.2	0.50	5	MG/KG	03/09/2018	RAL
Selenium	EPA-6020	U	5.0	5	MG/KG	03/09/2018	RAL
Silver	EPA-6020	U	0.50	5	MG/KG	03/09/2018	RAL

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-17
<b>CLIENT SAMPLE ID</b>	B-7-4'	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 1:15:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS ANALYSIS</b>	
			<b>DATE</b>	<b>BY</b>
TFT	NWTPH-GX	<b>88.1</b>	03/14/2018	GAP
C25	NWTPH-DX	<b>81.3</b>	03/12/2018	EBS
1,2-Dichloroethane-d4	EPA-8260	<b>109</b>	03/06/2018	DLC
Toluene-d8	EPA-8260	<b>98.6</b>	03/06/2018	DLC
4-Bromofluorobenzene	EPA-8260	<b>91.5</b>	03/06/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.





**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-18
<b>CLIENT SAMPLE ID</b>	B-8-1'	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 2:20:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	03/15/2018	GAP
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	03/15/2018	EBS
TPH-Oil Range	NWTPH-DX	53	50	1	MG/KG	03/15/2018	EBS
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromomethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Acetone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Methylene Chloride	EPA-8260	U	20	1	UG/KG	03/06/2018	DLC
Acrylonitrile	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromochloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloroform	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Benzene	EPA-8260	U	5.0	1	UG/KG	03/06/2018	DLC
Trichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Dibromomethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Toluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Tetrachloroethylene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South  
 CLIENT SAMPLE ID B-8-1'

DATE: 3/16/2018  
 ALS JOB#: EV18030034  
 ALS SAMPLE#: EV18030034-18  
 DATE RECEIVED: 03/06/2018  
 COLLECTION DATE: 3/5/2018 2:20:00 PM  
 WDOE ACCREDITATION: C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	03/06/2018	DLC
Chlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
m,p-Xylene	EPA-8260	U	20	1	UG/KG	03/06/2018	DLC
Styrene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
o-Xylene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromoform	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Chlorotoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
4-Chlorotoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
T-Butyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
N-Butylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Mercury	EPA-7471	U	0.020	1	MG/KG	03/12/2018	RAL
Arsenic	EPA-6020	1.4	1.0	5	MG/KG	03/09/2018	RAL
Barium	EPA-6020	33	0.50	5	MG/KG	03/09/2018	RAL
Cadmium	EPA-6020	U	0.50	5	MG/KG	03/09/2018	RAL
Chromium	EPA-6020	17	0.50	5	MG/KG	03/09/2018	RAL
Lead	EPA-6020	1.6	0.50	5	MG/KG	03/09/2018	RAL
Selenium	EPA-6020	U	5.0	5	MG/KG	03/09/2018	RAL
Silver	EPA-6020	U	0.50	5	MG/KG	03/09/2018	RAL

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-18
<b>CLIENT SAMPLE ID</b>	B-8-1'	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 2:20:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS ANALYSIS</b>	
			<b>DATE</b>	<b>BY</b>
TFT	NWTPH-GX	<b>91.2</b>	03/15/2018	GAP
C25	NWTPH-DX	<b>87.1</b>	03/15/2018	EBS
1,2-Dichloroethane-d4	EPA-8260	<b>108</b>	03/06/2018	DLC
Toluene-d8	EPA-8260	<b>99.9</b>	03/06/2018	DLC
4-Bromofluorobenzene	EPA-8260	<b>97.0</b>	03/06/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains light oil.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-19
<b>CLIENT SAMPLE ID</b>	B-9-1'	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 2:45:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	03/15/2018	GAP
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	03/12/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	03/12/2018	EBS
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromomethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Acetone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Methylene Chloride	EPA-8260	U	20	1	UG/KG	03/06/2018	DLC
Acrylonitrile	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromochloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Chloroform	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Benzene	EPA-8260	U	5.0	1	UG/KG	03/06/2018	DLC
Trichloroethene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Dibromomethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
Toluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Tetrachloroethylene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South  
 CLIENT SAMPLE ID: B-9-1'

DATE: 3/16/2018  
 ALS JOB#: EV18030034  
 ALS SAMPLE#: EV18030034-19  
 DATE RECEIVED: 03/06/2018  
 COLLECTION DATE: 3/5/2018 2:45:00 PM  
 WDOE ACCREDITATION: C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	03/06/2018	DLC
Chlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
m,p-Xylene	EPA-8260	U	20	1	UG/KG	03/06/2018	DLC
Styrene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
o-Xylene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromoform	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Bromobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
2-Chlorotoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
4-Chlorotoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
T-Butyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
N-Butylbenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	03/06/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	03/06/2018	DLC
Mercury	EPA-7471	U	0.020	1	MG/KG	03/12/2018	RAL
Arsenic	EPA-6020	1.3	1.0	5	MG/KG	03/09/2018	RAL
Barium	EPA-6020	26	0.50	5	MG/KG	03/09/2018	RAL
Cadmium	EPA-6020	U	0.50	5	MG/KG	03/09/2018	RAL
Chromium	EPA-6020	16	0.50	5	MG/KG	03/09/2018	RAL
Lead	EPA-6020	1.8	0.50	5	MG/KG	03/09/2018	RAL
Selenium	EPA-6020	U	5.0	5	MG/KG	03/09/2018	RAL
Silver	EPA-6020	U	0.50	5	MG/KG	03/09/2018	RAL

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-19
<b>CLIENT SAMPLE ID</b>	B-9-1'	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 2:45:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>99.4</b>	03/15/2018	GAP
C25	NWTPH-DX	<b>97.6</b>	03/12/2018	EBS
1,2-Dichloroethane-d4	EPA-8260	<b>108</b>	03/06/2018	DLC
Toluene-d8	EPA-8260	<b>93.9</b>	03/06/2018	DLC
4-Bromofluorobenzene	EPA-8260	<b>90.4</b>	03/06/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/16/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030034
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030034-20
<b>CLIENT SAMPLE ID</b>	B-10-10'	<b>DATE RECEIVED:</b>	03/06/2018
		<b>COLLECTION DATE:</b>	3/5/2018 3:30:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	03/12/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	03/12/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
C25	NWTPH-DX	88.6	03/12/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	3/16/2018
CLIENT CONTACT:	Brian Doan	ALS SDG#:	EV18030034
CLIENT PROJECT:	04218014.00 Bellevue South	WDOE ACCREDITATION:	C601

**LABORATORY BLANK RESULTS**

**MBG-031418S - Batch 126217 - Soil by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	03/14/2018	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

**MBG-030718W - Batch 126052 - Water by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	03/07/2018	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-031018S - Batch 126101 - Soil by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	03/12/2018	EBS
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	03/12/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-030618W2 - Batch 126112 - Water by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	UG/L	130	03/07/2018	EBS
TPH-Oil Range	NWTPH-DX	U	UG/L	250	03/07/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-030618S - Batch 126229 - Soil by EPA-8260**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Chloromethane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Vinyl Chloride	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Bromomethane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Chloroethane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Trichlorofluoromethane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Acetone	EPA-8260	U	UG/KG	50	03/06/2018	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Methylene Chloride	EPA-8260	U	UG/KG	20	03/06/2018	DLC
Acrylonitrile	EPA-8260	U	UG/KG	50	03/06/2018	DLC





**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South

DATE: 3/16/2018  
 ALS SDG#: EV18030034  
 WDOE ACCREDITATION: C601

**LABORATORY BLANK RESULTS**

**MB-030618S - Batch 126229 - Soil by EPA-8260**

Methyl T-Butyl Ether	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
2-Butanone	EPA-8260	U	UG/KG	50	03/06/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
2,2-Dichloropropane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Bromochloromethane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Chloroform	EPA-8260	U	UG/KG	10	03/06/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
1,1-Dichloropropene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Benzene	EPA-8260	U	UG/KG	5.0	03/06/2018	DLC
Trichloroethene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Dibromomethane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Bromodichloromethane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	03/06/2018	DLC
Toluene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	03/06/2018	DLC
1,3-Dichloropropane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Dibromochloromethane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	03/06/2018	DLC
Chlorobenzene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Ethylbenzene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
m,p-Xylene	EPA-8260	U	UG/KG	20	03/06/2018	DLC
Styrene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
o-Xylene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Bromoform	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Isopropylbenzene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
1,1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Bromobenzene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
N-Propyl Benzene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
2-Chlorotoluene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
4-Chlorotoluene	EPA-8260	U	UG/KG	10	03/06/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South

DATE: 3/16/2018  
 ALS SDG#: EV18030034  
 WDOE ACCREDITATION: C601

**LABORATORY BLANK RESULTS**

**MB-030618S - Batch 126229 - Soil by EPA-8260**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
T-Butyl Benzene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
S-Butyl Benzene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
P-Isopropyltoluene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
N-Butylbenzene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	UG/KG	50	03/06/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Hexachlorobutadiene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
Naphthalene	EPA-8260	U	UG/KG	10	03/06/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	UG/KG	10	03/06/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-031418W - Batch 126258 - Water by EPA-8260**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Chloromethane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Vinyl Chloride	EPA-8260	U	UG/L	0.20	03/14/2018	DLC
Bromomethane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Chloroethane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Carbon Tetrachloride	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Trichlorofluoromethane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Carbon Disulfide	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Acetone	EPA-8260	U	UG/L	25	03/14/2018	DLC
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Methylene Chloride	EPA-8260	U	UG/L	5.0	03/14/2018	DLC
Acrylonitrile	EPA-8260	U	UG/L	10	03/14/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
1,1-Dichloroethane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
2-Butanone	EPA-8260	U	UG/L	10	03/14/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
2,2-Dichloropropane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Bromochloromethane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Chloroform	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
1,1-Dichloropropene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
1,2-Dichloroethane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South

DATE: 3/16/2018  
 ALS SDG#: EV18030034  
 WDOE ACCREDITATION: C601

**LABORATORY BLANK RESULTS**

**MB-031418W - Batch 126258 - Water by EPA-8260**

Benzene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Trichloroethene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
1,2-Dichloropropane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Dibromomethane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Bromodichloromethane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/L	10	03/14/2018	DLC
Toluene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
2-Hexanone	EPA-8260	U	UG/L	10	03/14/2018	DLC
1,3-Dichloropropane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Tetrachloroethylene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Dibromochloromethane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
1,2-Dibromoethane	EPA-8260	U	UG/L	0.010	03/14/2018	DLC
Chlorobenzene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
m,p-Xylene	EPA-8260	U	UG/L	4.0	03/14/2018	DLC
Styrene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
o-Xylene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Bromoform	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Isopropylbenzene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Bromobenzene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
N-Propyl Benzene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
2-Chlorotoluene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
4-Chlorotoluene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
T-Butyl Benzene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
S-Butyl Benzene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
P-Isopropyltoluene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
N-Butylbenzene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	UG/L	10	03/14/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
Hexachlorobutadiene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South

DATE: 3/16/2018  
 ALS SDG#: EV18030034  
 WDOE ACCREDITATION: C601

**LABORATORY BLANK RESULTS**

**MB-031418W - Batch 126258 - Water by EPA-8260**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	UG/L	2.0	03/14/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

**MBLK-R312373 - Batch R312373 - Soil by EPA-7471**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	03/12/2018	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

**MBLK-312342 - Batch R312342 - Water by EPA-245.1**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-245.1	U	UG/L	0.20	03/12/2018	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-030718S - Batch 126038 - Soil by EPA-6020**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	U	MG/KG	0.20	03/08/2018	RAL
Barium	EPA-6020	U	MG/KG	0.10	03/08/2018	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	03/08/2018	RAL
Chromium	EPA-6020	U	MG/KG	0.10	03/08/2018	RAL
Lead	EPA-6020	U	MG/KG	0.10	03/08/2018	RAL
Selenium	EPA-6020	U	MG/KG	1.0	03/08/2018	RAL
Silver	EPA-6020	U	MG/KG	0.10	03/08/2018	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

**MB2-030618W - Batch 125995 - Water by EPA-200.8**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-200.8	U	UG/L	1.0	03/07/2018	RAL
Barium	EPA-200.8	U	UG/L	1.0	03/07/2018	RAL
Cadmium	EPA-200.8	U	UG/L	1.0	03/07/2018	RAL
Chromium	EPA-200.8	U	UG/L	2.0	03/07/2018	RAL
Lead	EPA-200.8	U	UG/L	1.0	03/07/2018	RAL
Selenium	EPA-200.8	U	UG/L	4.0	03/07/2018	RAL
Silver	EPA-200.8	U	UG/L	1.0	03/07/2018	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South

DATE: 3/16/2018  
 ALS SDG#: EV18030034  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 126217 - Soil by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	101			66.5	122.7	03/14/2018	GAP
TPH-Volatile Range - BSD	NWTPH-GX	101	0		66.5	122.7	03/14/2018	GAP

**ALS Test Batch ID: 126052 - Water by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	78.5			66.5	122.7	03/07/2018	GAP
TPH-Volatile Range - BSD	NWTPH-GX	84.5	7		66.5	122.7	03/07/2018	GAP

**ALS Test Batch ID: 126101 - Soil by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	99.2			75.5	122.1	03/12/2018	EBS
TPH-Diesel Range - BSD	NWTPH-DX	98.6	1		75.5	122.1	03/12/2018	EBS

**ALS Test Batch ID: 126112 - Water by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	90.5			67	125.2	03/07/2018	EBS
TPH-Diesel Range - BSD	NWTPH-DX	89.5	1		67	125.2	03/07/2018	EBS

**ALS Test Batch ID: 126229 - Soil by EPA-8260**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,1-Dichloroethene - BS	EPA-8260	101			73	138	03/06/2018	DLC
1,1-Dichloroethene - BSD	EPA-8260	100	1		73	138	03/06/2018	DLC
Benzene - BS	EPA-8260	115			75	138	03/06/2018	DLC
Benzene - BSD	EPA-8260	115	0		75	138	03/06/2018	DLC
Trichloroethene - BS	EPA-8260	119			75	136	03/06/2018	DLC
Trichloroethene - BSD	EPA-8260	117	1		75	136	03/06/2018	DLC
Toluene - BS	EPA-8260	111			71.6	122.1	03/06/2018	DLC
Toluene - BSD	EPA-8260	110	1		71.6	122.1	03/06/2018	DLC
Chlorobenzene - BS	EPA-8260	99.3			79	128	03/06/2018	DLC
Chlorobenzene - BSD	EPA-8260	103	4		79	128	03/06/2018	DLC

**ALS Test Batch ID: 126258 - Water by EPA-8260**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,1-Dichloroethene - BS	EPA-8260	94.3			72.5	136	03/14/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South

DATE: 3/16/2018  
 ALS SDG#: EV18030034  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,1-Dichloroethene - BSD	EPA-8260	80.6	16		72.5	136	03/14/2018	DLC
Benzene - BS	EPA-8260	100			74.7	143	03/14/2018	DLC
Benzene - BSD	EPA-8260	89.8	11		74.7	143	03/14/2018	DLC
Trichloroethene - BS	EPA-8260	100			74.4	141	03/14/2018	DLC
Trichloroethene - BSD	EPA-8260	89.5	11		74.4	141	03/14/2018	DLC
Toluene - BS	EPA-8260	114			71.7	139	03/14/2018	DLC
Toluene - BSD	EPA-8260	102	11		71.7	139	03/14/2018	DLC
Chlorobenzene - BS	EPA-8260	120			73	131	03/14/2018	DLC
Chlorobenzene - BSD	EPA-8260	108	10		73	131	03/14/2018	DLC

**ALS Test Batch ID: R312373 - Soil by EPA-7471**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	103			81.8	117	03/12/2018	RAL
Mercury - BSD	EPA-7471	100	3		81.8	117	03/12/2018	RAL

**ALS Test Batch ID: R312342 - Water by EPA-245.1**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-245.1	95.0			80.6	118	03/12/2018	RAL
Mercury - BSD	EPA-245.1	92.0	3		80.6	118	03/12/2018	RAL

**ALS Test Batch ID: 126038 - Soil by EPA-6020**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BS	EPA-6020	93.7			80	120	03/08/2018	RAL
Arsenic - BSD	EPA-6020	97.0	3		80	120	03/08/2018	RAL
Barium - BS	EPA-6020	95.8			80	120	03/08/2018	RAL
Barium - BSD	EPA-6020	98.6	3		80	120	03/08/2018	RAL
Cadmium - BS	EPA-6020	96.6			80	120	03/08/2018	RAL
Cadmium - BSD	EPA-6020	101	4		80	120	03/08/2018	RAL
Chromium - BS	EPA-6020	93.6			80	120	03/08/2018	RAL
Chromium - BSD	EPA-6020	97.1	4		80	120	03/08/2018	RAL
Lead - BS	EPA-6020	96.4			80	120	03/08/2018	RAL
Lead - BSD	EPA-6020	99.4	3		80	120	03/08/2018	RAL
Selenium - BS	EPA-6020	93.4			80	120	03/08/2018	RAL
Selenium - BSD	EPA-6020	97.9	5		80	120	03/08/2018	RAL
Silver - BS	EPA-6020	100			80	120	03/08/2018	RAL
Silver - BSD	EPA-6020	104	4		80	120	03/08/2018	RAL



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

DATE: 3/16/2018  
 ALS SDG#: EV18030034  
 WDOE ACCREDITATION: C601

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 125995 - Water by EPA-200.8**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BS	EPA-200.8	92.4			89.1	110	03/07/2018	RAL
Arsenic - BSD	EPA-200.8	91.1	1		89.1	110	03/07/2018	RAL
Barium - BS	EPA-200.8	93.6			88.5	108	03/07/2018	RAL
Barium - BSD	EPA-200.8	90.9	3		88.5	108	03/07/2018	RAL
Cadmium - BS	EPA-200.8	91.9			89.4	109	03/07/2018	RAL
Cadmium - BSD	EPA-200.8	89.7	2		89.4	109	03/07/2018	RAL
Chromium - BS	EPA-200.8	93.0			88.3	110.2	03/07/2018	RAL
Chromium - BSD	EPA-200.8	89.9	3		88.3	110.2	03/07/2018	RAL
Lead - BS	EPA-200.8	90.7			87.5	107	03/07/2018	RAL
Lead - BSD	EPA-200.8	88.9	2		87.5	107	03/07/2018	RAL
Selenium - BS	EPA-200.8	93.8			90.2	113	03/07/2018	RAL
Selenium - BSD	EPA-200.8	90.9	3		90.2	113	03/07/2018	RAL
Silver - BS	EPA-200.8	96.5			80	120	03/07/2018	RAL
Silver - BSD	EPA-200.8	94.8	2		80	120	03/07/2018	RAL

APPROVED BY

Laboratory Director



ALS Environmental  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EVI8030034

Date 3-5-2018 Page 1 Of 2

PROJECT ID: <u>04218014.00 Bellevue South</u>	ANALYSIS REQUESTED											OTHER (Specify)													
REPORT TO COMPANY: <u>SCS Engineers</u>	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8260 <input checked="" type="checkbox"/>	MTBE by EPA 8260 <input type="checkbox"/>	Haloogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082 <input type="checkbox"/>	Pesticides by EPA 8081 <input type="checkbox"/>	Metals-MTCA-5 <input type="checkbox"/>	RCRA-8 <input checked="" type="checkbox"/>	Pri Pol <input type="checkbox"/>	TAL <input type="checkbox"/>	Metals Other (Specify)	TCLP-Metals <input type="checkbox"/>	VOA <input type="checkbox"/>	Semi-Vol <input type="checkbox"/>	Pest <input type="checkbox"/>	Herbs <input type="checkbox"/>	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
PROJECT MANAGER: <u>Brian Doan</u>																									
ADDRESS: <u>2405 140<sup>th</sup> Ave NE #109 Bellevue 98005</u>																									
PHONE: <u>425-766-2487</u> P.O. #:																									
E-MAIL: <u>BDoan@SCSEngineers.com</u>																									
INVOICE TO COMPANY: <u>same</u>																									
ATTENTION:																									
ADDRESS:																									

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8260	MTBE by EPA 8260	Haloogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082	Pesticides by EPA 8081	Metals-MTCA-5	RCRA-8	Pri Pol	TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?	
1. B1	3-5-18	0920	H2O	1	X	X	X	X			X							X											7	
* 2. B-2		1015		2	X	X	X	X			X							X											7	
* 3. B-3		1045		3	X	X	X	X			X							X											1	
4. B-4		1130		4	X	X	X	X			X							X											7	
5. B-5		1220		5	X	X	X	X			X							X											1	
6. B-6		1240		6	X	X	X	X			X							X											1	
7. B-7		1315		7	X	X	X	X			X							X											7	
* 8. B-8		1420		8	X	X	X	X			X							X											7	
* 9. B-9		1445		9	X	X	X	X			X							X											7	
10. B-10		1530		10	X	X	X	X			X							X											1	

SPECIAL INSTRUCTIONS \* 3/7/18 Brian Doan wants Dx w/SGA HXL.

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: Sam Graber, SCS, 3/5/18, 1700  
 Received By: [Signature] ALS 3/6/18 12:30  
 2. Relinquished By: \_\_\_\_\_  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*  
 Organic, Metals & Inorganic Analysis  
 Standard  5  3  2  1  SAME DAY  
 Fuels & Hydrocarbon Analysis  
 Standard  3  1  SAME DAY  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_

\*Turnaround request less than standard may incur Rush Charges





**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV18030034

Date 3-5-2018 Page 2 Of 2

PROJECT ID: <u>04218014.00 Bellevue South</u>					ANALYSIS REQUESTED										OTHER (Specify)															
REPORT TO COMPANY: <u>SCS Eng.</u>					NWTPH-HCID NWTPH-DX NWTPH-GX BTEX by EPA 8021 <input type="checkbox"/> BTEX by EPA 8260 <input checked="" type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 Volatile Organic Compounds by EPA 8260 EDB / EDC by EPA 8260 SIM (water) EDB / EDC by EPA 8260 (soil) Semivolatile Organic Compounds by EPA 8270 Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input checked="" type="checkbox"/> Pri Pol <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>																									
PROJECT MANAGER: <u>Brian Doan</u>																														
ADDRESS: <u>See pg. 1</u>																														
PHONE: P.O. #:																														
E-MAIL:																														
INVOICE TO COMPANY: <u>Same</u>																														
ATTENTION:																														
ADDRESS:																														
SAMPLE I.D.	DATE	TIME	TYPE	LAB#		NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021	MTBE by EPA 8021	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082	Pesticides by EPA 8081	Metals-MTCA-5	RCRA-8	Pri Pol	TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. B-1-7'	3-5-18	0920	Soil	11		X	X	X	X	X	X	X					X												1	
2. B-2-3'		1015		12	X	X	X			X	X					X												1		
* 3. B-3-4'		1045		13	X	X	X			X	X					X												1		
4. B-4-7'		1130		14	X	X	X			X	X					X												1		
5. B-5-0.5'		1220		15	X	X	X			X	X																	1		
6. B-6-1'		1240		16	X	X	X			X	X																	1		
7. B-7-4'		1315		17	X	X	X			X	X					X												1		
8. B-8-1'		1420		18	X	X	X			X	X																	1		
9. B-9-1'		1445		19	X	X	X			X	X																	1		
10. B-10-10'		1530		20	X	X	X			X	X																	1		

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Sam Oraber, SCS 3/5/18 1700  
 Received By: [Signature] ALS 3/6/18 12:30  
 2. Relinquished By: \_\_\_\_\_  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*

Organic, Metals & Inorganic Analysis

Standard  5  3  2  1  SAME DAY

Fuels & Hydrocarbon Analysis

Standard  3  1  SAME DAY

OTHER: \_\_\_\_\_

\*Turnaround request less than standard may incur Rush Charges



March 14, 2018

Mr. Brian Doan  
SCS Engineers  
2405 140th Ave. NE, Suite 107  
Bellevue, WA 98005

Dear Mr. Doan,

On March 7th, 6 samples were received by our laboratory and assigned our laboratory project number EV18030045. The project was identified as your 04218014.00 Bellevue South. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	3/14/2018
CLIENT CONTACT:	Brian Doan	ALS JOB#:	EV18030045
CLIENT PROJECT:	04218014.00 Bellevue South	ALS SAMPLE#:	EV18030045-01
CLIENT SAMPLE ID	B-11	DATE RECEIVED:	03/07/2018
		COLLECTION DATE:	3/6/2018 8:45:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	340	130	1	UG/L	03/13/2018	EBS
TPH-Oil Range	NWTPH-DX	660	250	1	UG/L	03/13/2018	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	105	03/13/2018	EBS

Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and lube oil.  
 Diesel range product results biased high due to oil range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/14/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030045
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030045-02
<b>CLIENT SAMPLE ID</b>	B-11-7'	<b>DATE RECEIVED:</b>	03/07/2018
		<b>COLLECTION DATE:</b>	3/6/2018 8:45:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	03/12/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	03/12/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
C25	NWTPH-DX	82.7	03/12/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: SCS Engineers DATE: 3/14/2018  
2405 140th Ave. NE, Suite 107 ALS JOB#: EV18030045  
Bellevue, WA 98005 ALS SAMPLE#: EV18030045-03  
CLIENT CONTACT: Brian Doan DATE RECEIVED: 03/07/2018  
CLIENT PROJECT: 04218014.00 Bellevue South COLLECTION DATE: 3/6/2018 9:45:00 AM  
CLIENT SAMPLE ID B-12-3' WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	03/12/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	03/12/2018	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	79.4	03/12/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: SCS Engineers DATE: 3/14/2018  
2405 140th Ave. NE, Suite 107 ALS JOB#: EV18030045  
Bellevue, WA 98005 ALS SAMPLE#: EV18030045-04  
CLIENT CONTACT: Brian Doan DATE RECEIVED: 03/07/2018  
CLIENT PROJECT: 04218014.00 Bellevue South COLLECTION DATE: 3/6/2018 11:21:00 AM  
CLIENT SAMPLE ID MW-B-8 WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	03/13/2018	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	03/13/2018	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	122	03/13/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/14/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030045
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030045-05
<b>CLIENT SAMPLE ID</b>	MW-HC-5	<b>DATE RECEIVED:</b>	03/07/2018
		<b>COLLECTION DATE:</b>	3/6/2018 12:10:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	03/13/2018	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	03/13/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
C25	NWTPH-DX	118	03/13/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	3/14/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18030045
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18030045-06
<b>CLIENT SAMPLE ID</b>	MW-HC-3A	<b>DATE RECEIVED:</b>	03/07/2018
		<b>COLLECTION DATE:</b>	3/6/2018 1:00:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	03/13/2018	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	03/13/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
C25	NWTPH-DX	123	03/13/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.





CERTIFICATE OF ANALYSIS

CLIENT: SCS Engineers
2405 140th Ave. NE, Suite 107
Bellevue, WA 98005
CLIENT CONTACT: Brian Doan
CLIENT PROJECT: 04218014.00 Bellevue South

DATE: 3/14/2018
ALS SDG#: EV18030045
WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MB-031018S - Batch 126101 - Soil by NWTPH-DX

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Diesel Range and TPH-Oil Range with results 'U'.

U - Analyte analyzed for but not detected at level above reporting limit.

MB-031218W - Batch 126195 - Water by NWTPH-DX

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Diesel Range and TPH-Oil Range with results 'U'.

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: SCS Engineers
2405 140th Ave. NE, Suite 107
Bellevue, WA 98005
CLIENT CONTACT: Brian Doan
CLIENT PROJECT: 04218014.00 Bellevue South

DATE: 3/14/2018
ALS SDG#: EV18030045
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 126101 - Soil by NWTPH-DX

Table with 8 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Diesel Range - BS and TPH-Diesel Range - BSD.

ALS Test Batch ID: 126195 - Water by NWTPH-DX

Table with 8 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Diesel Range - BS and TPH-Diesel Range - BSD.

APPROVED BY

Handwritten signature of Paul Bagum

Laboratory Director



**ALS Environmental**  
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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EVI8030045

Date 3/6/18 Page 1 Of 1

PROJECT ID: 04218014.00 Bellave South					ANALYSIS REQUESTED												OTHER (Specify)		
REPORT TO COMPANY: SCS Engineers					NWTPH-HCID NWTPH-DX NWTPH-GX BTEX by EPA 8021 <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 Volatile Organic Compounds by EPA 8260 EDB / EDC by EPA 8260 SIM (water) EDB / EDC by EPA 8260 (soil) Semivolatile Organic Compounds by EPA 8270 Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pri Pol <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>														
PROJECT MANAGER: Brian Down																			
ADDRESS: 2405 140th Ave NE #107 Bellave 98005																			
PHONE: 425-766-2487 P.O. #:																			
E-MAIL: Bdown@scsengineers.com																			
INVOICE TO COMPANY: Same																			
ATTENTION:																			
ADDRESS:																			
SAMPLE I.D.	DATE	TIME	TYPE	LAB#														NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. B-11	3/6/18	845	water	1	X												1		
2. B-11-7'		845	soil	2	↓												1		
3. B-12-3'		945	soil	3													1		
4. MW-B-8		1121	water	4													1		
5. MW-HC-5		1210	water	5													1		
6. MW-HC-34	↓	1300	water	6	↓												1		
7.																			
8.																			
9.																			
10.																			

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Sam Gruber, SCS, 3/7/18, 1325  
 Received By: [Signature] ALS 3/7/18 13:25

2. Relinquished By: \_\_\_\_\_  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*

Organic, Metals & Inorganic Analysis  
 Standard 5 3 2 1 SAME DAY

Fuels & Hydrocarbon Analysis  
 Standard 3 1 SAME DAY

OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\*Turnaround request less than standard may incur Rush Charges



April 17, 2018

Mr. Brian Doan  
SCS Engineers  
2405 140th Ave. NE, Suite 107  
Bellevue, WA 98005

Dear Mr. Doan,

On April 13th, 2 samples were received by our laboratory and assigned our laboratory project number EV18040090. The project was identified as your 04218014.00. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	4/17/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18040090
<b>CLIENT PROJECT:</b>	04218014.00	<b>ALS SAMPLE#:</b>	EV18040090-01
<b>CLIENT SAMPLE ID</b>	Stormwater #1	<b>DATE RECEIVED:</b>	04/13/2018
		<b>COLLECTION DATE:</b>	4/13/2018 12:30:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Diesel Range	NWTPH-DX	<b>430</b>	130	1	UG/L	04/13/2018	EBS
TPH-Oil Range	NWTPH-DX	<b>370</b>	250	1	UG/L	04/13/2018	EBS
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	04/13/2018	CCN
Benzene	EPA-8260	U	2.0	1	UG/L	04/13/2018	CCN
Toluene	EPA-8260	U	2.0	1	UG/L	04/13/2018	CCN
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	04/13/2018	CCN
m,p-Xylene	EPA-8260	U	4.0	1	UG/L	04/13/2018	CCN
o-Xylene	EPA-8260	U	2.0	1	UG/L	04/13/2018	CCN
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	04/13/2018	CCN
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	04/13/2018	CCN
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	04/13/2018	CCN
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	04/13/2018	CCN
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	04/16/2018	PAB

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
C25	NWTPH-DX	<b>93.9</b>	04/13/2018	EBS
1,2-Dichloroethane-d4	EPA-8260	<b>97.1</b>	04/13/2018	CCN
Toluene-d8	EPA-8260	<b>98.8</b>	04/13/2018	CCN
Terphenyl-d14	EPA-8270 SIM	<b>94.9</b>	04/16/2018	PAB

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and an unidentified oil range product.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	4/17/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18040090
<b>CLIENT PROJECT:</b>	04218014.00	<b>ALS SAMPLE#:</b>	EV18040090-02
<b>CLIENT SAMPLE ID</b>	Trench #1	<b>DATE RECEIVED:</b>	04/13/2018
		<b>COLLECTION DATE:</b>	4/12/2018 10:25:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/13/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/13/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
C25	NWTPH-DX	84.3	04/13/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	4/17/2018
CLIENT CONTACT:	Brian Doan	ALS SDG#:	EV18040090
CLIENT PROJECT:	04218014.00	WDOE ACCREDITATION:	C601

**LABORATORY BLANK RESULTS**

**MB-041318S - Batch 127338 - Soil by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	04/13/2018	EBS
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	04/13/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-041318W - Batch 127381 - Water by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	UG/L	130	04/13/2018	EBS
TPH-Oil Range	NWTPH-DX	U	UG/L	250	04/13/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-041318W - Batch 127428 - Water by EPA-8260**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	04/13/2018	CCN
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	04/13/2018	CCN
Benzene	EPA-8260	U	UG/L	2.0	04/13/2018	CCN
Toluene	EPA-8260	U	UG/L	2.0	04/13/2018	CCN
Ethylbenzene	EPA-8260	U	UG/L	2.0	04/13/2018	CCN
m,p-Xylene	EPA-8260	U	UG/L	4.0	04/13/2018	CCN
o-Xylene	EPA-8260	U	UG/L	2.0	04/13/2018	CCN
N-Propyl Benzene	EPA-8260	U	UG/L	2.0	04/13/2018	CCN
1,3,5-Trimethylbenzene	EPA-8260	U	UG/L	2.0	04/13/2018	CCN
1,2,4-Trimethylbenzene	EPA-8260	U	UG/L	2.0	04/13/2018	CCN
1,2-Dichlorobenzene	EPA-8260	U	UG/L	2.0	04/13/2018	CCN

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-041618W - Batch 127393 - Water by EPA-8270 SIM**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/L	0.020	04/16/2018	PAB
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/L	0.020	04/16/2018	PAB

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	4/17/2018
CLIENT CONTACT:	Brian Doan	ALS SDG#:	EV18040090
CLIENT PROJECT:	04218014.00	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 127338 - Soil by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	93.2			75.5	122.1	04/13/2018	EBS
TPH-Diesel Range - BSD	NWTPH-DX	98.6	6		75.5	122.1	04/13/2018	EBS

**ALS Test Batch ID: 127381 - Water by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	93.7			67	125.2	04/13/2018	EBS
TPH-Diesel Range - BSD	NWTPH-DX	95.3	2		67	125.2	04/13/2018	EBS

**ALS Test Batch ID: 127428 - Water by EPA-8260**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,1-Dichloroethene - BS	EPA-8260	128			72.5	136	04/13/2018	CCN
1,1-Dichloroethene - BSD	EPA-8260	134	4		72.5	136	04/13/2018	CCN
Cis-1,2-Dichloroethene - BS	EPA-8260	116			50	150	04/13/2018	CCN
Cis-1,2-Dichloroethene - BSD	EPA-8260	121	5		50	150	04/13/2018	CCN
Benzene - BS	EPA-8260	128			74.7	143	04/13/2018	CCN
Benzene - BSD	EPA-8260	132	3		74.7	143	04/13/2018	CCN
Toluene - BS	EPA-8260	112			71.7	139	04/13/2018	CCN
Toluene - BSD	EPA-8260	117	4		71.7	139	04/13/2018	CCN
Ethylbenzene - BS	EPA-8260	113			50	150	04/13/2018	CCN
Ethylbenzene - BSD	EPA-8260	119	5		50	150	04/13/2018	CCN
m,p-Xylene - BS	EPA-8260	110			50	150	04/13/2018	CCN
m,p-Xylene - BSD	EPA-8260	115	5		50	150	04/13/2018	CCN
o-Xylene - BS	EPA-8260	103			50	150	04/13/2018	CCN
o-Xylene - BSD	EPA-8260	106	4		50	150	04/13/2018	CCN
N-Propyl Benzene - BS	EPA-8260	98.2			50	150	04/13/2018	CCN
N-Propyl Benzene - BSD	EPA-8260	103	5		50	150	04/13/2018	CCN
1,3,5-Trimethylbenzene - BS	EPA-8260	95.1			50	150	04/13/2018	CCN
1,3,5-Trimethylbenzene - BSD	EPA-8260	92.2	3		50	150	04/13/2018	CCN
1,2,4-Trimethylbenzene - BS	EPA-8260	97.0			50	150	04/13/2018	CCN
1,2,4-Trimethylbenzene - BSD	EPA-8260	101	4		50	150	04/13/2018	CCN
1,2-Dichlorobenzene - BS	EPA-8260	94.9			50	150	04/13/2018	CCN
1,2-Dichlorobenzene - BSD	EPA-8260	99.4	5		50	150	04/13/2018	CCN

**ALS Test Batch ID: 127393 - Water by EPA-8270 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	70.9			36	118	04/16/2018	PAB



**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE: 4/17/2018
CLIENT CONTACT:	Brian Doan	ALS SDG#: EV18040090
CLIENT PROJECT:	04218014.00	WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BSD	EPA-8270 SIM	76.9	8		36	118	04/16/2018	PAB
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	79.2			43	140	04/16/2018	PAB
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	95.3	18		43	140	04/16/2018	PAB

APPROVED BY



Laboratory Director



**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

**EVI8040090**

Date **4/13/18** Page **1** Of **1**

PROJECT ID: <b>04218019.00</b>					ANALYSIS REQUESTED										OTHER (Specify)							
REPORT TO COMPANY: <b>SCS Engineers</b>					<input type="checkbox"/> NWTPH-HCID <input type="checkbox"/> NWTPH-DX <input type="checkbox"/> NWTPH-GX <input type="checkbox"/> BTEX by EPA-8021 <input type="checkbox"/> MTBE by EPA-8021 <input type="checkbox"/> EPA-8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 <input type="checkbox"/> Volatile Organic Compounds by EPA 8260 <input type="checkbox"/> EDB / EDC by EPA 8260 SIM (water) <input type="checkbox"/> EDB / EDC by EPA 8260 (soil) <input checked="" type="checkbox"/> Semivolatile Organic Compounds by EPA 8270 <input type="checkbox"/> Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM <input type="checkbox"/> PCB <input type="checkbox"/> Pesticides <input type="checkbox"/> by EPA 8081/8082 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pri Pol <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) <input type="checkbox"/> TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs																	
PROJECT MANAGER: <b>Brian Down</b>																						
ADDRESS: <b>2405 140th Ave NE Suite 107 Bellevue, 98005</b>																						
PHONE: <b>425-746-4600</b> FAX:																						
PO #: E-MAIL: <b>BDown@SCSengineers.com</b>																						
INVOICE TO COMPANY: <b>SCS</b>																						
ATTENTION: <b>B. Down</b>																						
ADDRESS: <b>Same as above</b>																						
SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 <input type="checkbox"/> EPA-8260 <input type="checkbox"/>	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB <input type="checkbox"/> Pesticides <input type="checkbox"/> by EPA 8081/8082	Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pri Pol <input type="checkbox"/> TAL <input type="checkbox"/>	Metals Other (Specify)	TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?	
1. Stormwater # 1	4/13/18	1230	Water	1	X						X			X	X							
2. Trach # 1	4/12/18	1025	Soil	2	X																	
3.																						
4.																						
5.																						
6.																						
7.																						
8.																						
9.																						
10.																						

LABORATORY COPY

**SPECIAL INSTRUCTIONS**

**SIGNATURES (Name, Company, Date, Time):**

1. Relinquished By: *[Signature]*, SCS, 4/13/18 1300  
 Received By: *[Signature]* ALS 4/13/18 1300

2. Relinquished By: \_\_\_\_\_  
 Received By: \_\_\_\_\_

**TURNAROUND REQUESTED in Business Days\***

Organic, Metals & Inorganic Analysis: 10 Standard, 5, 3, 1, SAME DAY

Fuels & Hydrocarbon Analysis: 5 Standard, 3, 1, SAME DAY

OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_

\* Turnaround request less than standard may incur Rush Charges



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

June 13, 2018

Brian Doan  
SCS Engineers  
2405 140th Avenue NE, Suite 107  
Bellevue, WA 98005

Re: Analytical Data for Project 04218014.00  
Laboratory Reference No. 1806-123

Dear Brian:

Enclosed are the analytical results and associated quality control data for samples submitted on June 12, 2018.

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

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

Sincerely,

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

David Baumeister  
Project Manager

Enclosures



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

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

Date of Report: June 13, 2018  
Samples Submitted: June 12, 2018  
Laboratory Reference: 1806-123  
Project: 04218014.00

### Case Narrative

Samples were collected on June 12, 2018 and received by the laboratory on June 12, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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

#### NWTPH-Gx Analysis

The chromatogram for sample 061218-Trench-Characterization is similar to mineral spirits.

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



Date of Report: June 13, 2018  
 Samples Submitted: June 12, 2018  
 Laboratory Reference: 1806-123  
 Project: 04218014.00

**NWTPH-Gx**

Matrix: Soil  
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>061218-Trench-Characterization</b>					
Laboratory ID:	06-123-03					
Gasoline	<b>54</b>	5.5	NWTPH-Gx	6-12-18	6-12-18	Z
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	<i>100</i>	<i>57-129</i>				



Date of Report: June 13, 2018  
 Samples Submitted: June 12, 2018  
 Laboratory Reference: 1806-123  
 Project: 04218014.00

**NWTPH-Gx  
 QUALITY CONTROL**

Matrix: Soil  
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0612S1					
Gasoline	<b>ND</b>	5.0	NWTPH-Gx	6-12-18	6-12-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	<i>83</i>	<i>57-129</i>				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
<b>DUPLICATE</b>								
Laboratory ID:	06-084-02							
	ORIG	DUP						
Gasoline	<b>ND</b>	<b>ND</b>	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				82	86	57-129		



Date of Report: June 13, 2018  
 Samples Submitted: June 12, 2018  
 Laboratory Reference: 1806-123  
 Project: 04218014.00

**NWTPH-Dx**

Matrix: Soil  
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>061218-Trench-1</b>					
Laboratory ID:	06-123-01					
Diesel Range Organics	<b>ND</b>	210	NWTPH-Dx	6-12-18	6-12-18	U1
Lube Oil	<b>2300</b>	280	NWTPH-Dx	6-12-18	6-12-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	96	50-150				
<b>Client ID:</b>	<b>061218-Trench-2</b>					
Laboratory ID:	06-123-02					
Diesel Range Organics	<b>ND</b>	60	NWTPH-Dx	6-12-18	6-12-18	U1
Lube Oil	<b>470</b>	56	NWTPH-Dx	6-12-18	6-12-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				
<b>Client ID:</b>	<b>061218-Trench-Characterization</b>					
Laboratory ID:	06-123-03					
Diesel Range Organics	<b>ND</b>	330	NWTPH-Dx	6-12-18	6-12-18	U1
Lube Oil	<b>3300</b>	570	NWTPH-Dx	6-12-18	6-12-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	---	50-150				S



Date of Report: June 13, 2018  
 Samples Submitted: June 12, 2018  
 Laboratory Reference: 1806-123  
 Project: 04218014.00

**NWTPH-Dx  
 QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0612S1					
Diesel Range Organics	<b>ND</b>	25	NWTPH-Dx	6-12-18	6-12-18	
Lube Oil Range Organics	<b>ND</b>	50	NWTPH-Dx	6-12-18	6-12-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	96	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
<b>DUPLICATE</b>								
Laboratory ID:	06-101-01							
	ORIG	DUP						
Diesel Range	<b>ND</b>	<b>ND</b>	NA	NA	NA	NA	NA	NA
Lube Oil Range	<b>ND</b>	<b>ND</b>	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				78	76	50-150		





Date of Report: June 13, 2018  
 Samples Submitted: June 12, 2018  
 Laboratory Reference: 1806-123  
 Project: 04218014.00

**VOLATILES EPA 8260C**

Page 1 of 2

Matrix: Soil  
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>061218-Trench-Characterization</b>					
Laboratory ID:	06-123-03					
Dichlorodifluoromethane	ND	0.00063	EPA 8260C	6-12-18	6-12-18	
Chloromethane	ND	0.0020	EPA 8260C	6-12-18	6-12-18	
Vinyl Chloride	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
Bromomethane	ND	0.00051	EPA 8260C	6-12-18	6-12-18	
Chloroethane	ND	0.0020	EPA 8260C	6-12-18	6-12-18	
Trichlorofluoromethane	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
1,1-Dichloroethene	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
Acetone	0.036	0.0020	EPA 8260C	6-12-18	6-12-18	
Iodomethane	ND	0.0020	EPA 8260C	6-12-18	6-12-18	
Carbon Disulfide	ND	0.00059	EPA 8260C	6-12-18	6-12-18	
Methylene Chloride	ND	0.0020	EPA 8260C	6-12-18	6-12-18	
(trans) 1,2-Dichloroethene	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
Methyl t-Butyl Ether	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
1,1-Dichloroethane	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
Vinyl Acetate	ND	0.0020	EPA 8260C	6-12-18	6-12-18	
2,2-Dichloropropane	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
(cis) 1,2-Dichloroethene	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
2-Butanone	0.0060	0.0020	EPA 8260C	6-12-18	6-12-18	
Bromochloromethane	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
Chloroform	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
1,1,1-Trichloroethane	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
Carbon Tetrachloride	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
1,1-Dichloropropene	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
Benzene	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
1,2-Dichloroethane	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
Trichloroethene	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
1,2-Dichloropropane	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
Dibromomethane	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
Bromodichloromethane	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
2-Chloroethyl Vinyl Ether	ND	0.0020	EPA 8260C	6-12-18	6-12-18	
(cis) 1,3-Dichloropropene	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
Methyl Isobutyl Ketone	ND	0.0020	EPA 8260C	6-12-18	6-12-18	
Toluene	ND	0.0020	EPA 8260C	6-12-18	6-12-18	
(trans) 1,3-Dichloropropene	ND	0.00039	EPA 8260C	6-12-18	6-12-18	



Date of Report: June 13, 2018  
 Samples Submitted: June 12, 2018  
 Laboratory Reference: 1806-123  
 Project: 04218014.00

**VOLATILES EPA 8260C**  
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID: 061218-Trench-Characterization</b>						
Laboratory ID: 06-123-03						
1,1,2-Trichloroethane	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
Tetrachloroethene	0.00048	0.00039	EPA 8260C	6-12-18	6-12-18	
1,3-Dichloropropane	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
2-Hexanone	ND	0.0020	EPA 8260C	6-12-18	6-12-18	
Dibromochloromethane	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
1,2-Dibromoethane	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
Chlorobenzene	0.0013	0.00039	EPA 8260C	6-12-18	6-12-18	
1,1,1,2-Tetrachloroethane	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
Ethylbenzene	0.00046	0.00039	EPA 8260C	6-12-18	6-12-18	
m,p-Xylene	0.0019	0.00079	EPA 8260C	6-12-18	6-12-18	
o-Xylene	0.0011	0.00039	EPA 8260C	6-12-18	6-12-18	
Styrene	ND	0.00039	EPA 8260C	6-12-18	6-12-18	
Bromoform	ND	0.0020	EPA 8260C	6-12-18	6-12-18	
Isopropylbenzene	0.00040	0.00039	EPA 8260C	6-12-18	6-12-18	
Bromobenzene	ND	0.026	EPA 8260C	6-12-18	6-12-18	
1,1,2,2-Tetrachloroethane	ND	0.026	EPA 8260C	6-12-18	6-12-18	
1,2,3-Trichloropropane	ND	0.026	EPA 8260C	6-12-18	6-12-18	
n-Propylbenzene	ND	0.026	EPA 8260C	6-12-18	6-12-18	
2-Chlorotoluene	ND	0.026	EPA 8260C	6-12-18	6-12-18	
4-Chlorotoluene	ND	0.026	EPA 8260C	6-12-18	6-12-18	
1,3,5-Trimethylbenzene	ND	0.026	EPA 8260C	6-12-18	6-12-18	
tert-Butylbenzene	ND	0.026	EPA 8260C	6-12-18	6-12-18	
1,2,4-Trimethylbenzene	0.036	0.026	EPA 8260C	6-12-18	6-12-18	
sec-Butylbenzene	ND	0.026	EPA 8260C	6-12-18	6-12-18	
1,3-Dichlorobenzene	ND	0.026	EPA 8260C	6-12-18	6-12-18	
p-Isopropyltoluene	ND	0.026	EPA 8260C	6-12-18	6-12-18	
1,4-Dichlorobenzene	0.027	0.026	EPA 8260C	6-12-18	6-12-18	
1,2-Dichlorobenzene	0.036	0.026	EPA 8260C	6-12-18	6-12-18	
n-Butylbenzene	0.038	0.026	EPA 8260C	6-12-18	6-12-18	
1,2-Dibromo-3-chloropropane	ND	0.13	EPA 8260C	6-12-18	6-12-18	
1,2,4-Trichlorobenzene	ND	0.026	EPA 8260C	6-12-18	6-12-18	
Hexachlorobutadiene	ND	0.13	EPA 8260C	6-12-18	6-12-18	
Naphthalene	ND	0.026	EPA 8260C	6-12-18	6-12-18	
1,2,3-Trichlorobenzene	ND	0.026	EPA 8260C	6-12-18	6-12-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>107</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>127</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>110</i>	<i>71-132</i>				



Date of Report: June 13, 2018  
 Samples Submitted: June 12, 2018  
 Laboratory Reference: 1806-123  
 Project: 04218014.00

**VOLATILES EPA 8260C**  
**METHOD BLANK QUALITY CONTROL**  
 Page 1 of 2

Matrix: Soil  
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0612S1					
Dichlorodifluoromethane	ND	0.0016	EPA 8260C	6-12-18	6-12-18	
Chloromethane	ND	0.0050	EPA 8260C	6-12-18	6-12-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Bromomethane	ND	0.0013	EPA 8260C	6-12-18	6-12-18	
Chloroethane	ND	0.0050	EPA 8260C	6-12-18	6-12-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Acetone	ND	0.0050	EPA 8260C	6-12-18	6-12-18	
Iodomethane	ND	0.0050	EPA 8260C	6-12-18	6-12-18	
Carbon Disulfide	ND	0.0015	EPA 8260C	6-12-18	6-12-18	
Methylene Chloride	ND	0.0050	EPA 8260C	6-12-18	6-12-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Vinyl Acetate	ND	0.0050	EPA 8260C	6-12-18	6-12-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
2-Butanone	ND	0.0050	EPA 8260C	6-12-18	6-12-18	
Bromochloromethane	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Chloroform	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Benzene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Trichloroethene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Dibromomethane	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	6-12-18	6-12-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260C	6-12-18	6-12-18	
Toluene	ND	0.0050	EPA 8260C	6-12-18	6-12-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	



Date of Report: June 13, 2018  
 Samples Submitted: June 12, 2018  
 Laboratory Reference: 1806-123  
 Project: 04218014.00

**VOLATILES EPA 8260C**  
**METHOD BLANK QUALITY CONTROL**  
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0612S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
2-Hexanone	ND	0.0050	EPA 8260C	6-12-18	6-12-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Chlorobenzene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Ethylbenzene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
m,p-Xylene	ND	0.0020	EPA 8260C	6-12-18	6-12-18	
o-Xylene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Styrene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Bromoform	ND	0.0050	EPA 8260C	6-12-18	6-12-18	
Isopropylbenzene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Bromobenzene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
n-Propylbenzene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
tert-Butylbenzene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
sec-Butylbenzene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
p-Isopropyltoluene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
n-Butylbenzene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	6-12-18	6-12-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	6-12-18	6-12-18	
Naphthalene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	6-12-18	6-12-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>123</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>128</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>125</i>	<i>71-132</i>				



Date of Report: June 13, 2018  
 Samples Submitted: June 12, 2018  
 Laboratory Reference: 1806-123  
 Project: 04218014.00

**VOLATILES EPA 8260C  
 SB/SBD QUALITY CONTROL**

Matrix: Soil  
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
<b>SPIKE BLANKS</b>										
Laboratory ID:	SB0612S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	<b>0.0349</b>	<b>0.0379</b>	0.0500	0.0500	70	76	53-141	8	17	
Benzene	<b>0.0529</b>	<b>0.0556</b>	0.0500	0.0500	106	111	70-130	5	15	
Trichloroethene	<b>0.0471</b>	<b>0.0460</b>	0.0500	0.0500	94	92	74-122	2	16	
Toluene	<b>0.0543</b>	<b>0.0553</b>	0.0500	0.0500	109	111	76-130	2	15	
Chlorobenzene	<b>0.0455</b>	<b>0.0461</b>	0.0500	0.0500	91	92	75-120	1	14	
<i>Surrogate:</i>										
Dibromofluoromethane					99	104	68-139			
Toluene-d8					106	107	79-128			
4-Bromofluorobenzene					103	106	71-132			



Date of Report: June 13, 2018  
Samples Submitted: June 12, 2018  
Laboratory Reference: 1806-123  
Project: 04218014.00

**% MOISTURE**

Date Analyzed: 6-12-18

Client ID	Lab ID	% Moisture
061218-Trench-1	06-123-01	10
061218-Trench-2	06-123-02	10
061218-Trench-Characterization	06-123-03	12





### Data Qualifiers and Abbreviations

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









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

June 15, 2018

Brian Doan  
SCS Engineers  
2405 140th Avenue NE, Suite 107  
Bellevue, WA 98005

Re: Analytical Data for Project 04218014.00  
Laboratory Reference No. 1806-123B

Dear Brian:

Enclosed are the analytical results and associated quality control data for samples submitted on June 12, 2018.

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

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

Sincerely,

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

David Baumeister  
Project Manager

Enclosures



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

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

Date of Report: June 15, 2018  
Samples Submitted: June 12, 2018  
Laboratory Reference: 1806-123B  
Project: 04218014.00

### Case Narrative

Samples were collected on June 12, 2018 and received by the laboratory on June 12, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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



Date of Report: June 15, 2018  
 Samples Submitted: June 12, 2018  
 Laboratory Reference: 1806-123B  
 Project: 04218014.00

**PCBs EPA 8082A**

Matrix: Soil  
 Units: mg/Kg (ppm)

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>061218-Trench-Characterization</b>					
Laboratory ID:	06-123-03					
Aroclor 1016	<b>ND</b>	0.057	EPA 8082A	6-14-18	6-14-18	
Aroclor 1221	<b>ND</b>	0.057	EPA 8082A	6-14-18	6-14-18	
Aroclor 1232	<b>ND</b>	0.057	EPA 8082A	6-14-18	6-14-18	
Aroclor 1242	<b>ND</b>	0.057	EPA 8082A	6-14-18	6-14-18	
Aroclor 1248	<b>ND</b>	0.057	EPA 8082A	6-14-18	6-14-18	
Aroclor 1254	<b>ND</b>	0.057	EPA 8082A	6-14-18	6-14-18	
Aroclor 1260	<b>ND</b>	0.057	EPA 8082A	6-14-18	6-14-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>DCB</i>	<i>77</i>	<i>39-130</i>				



Date of Report: June 15, 2018  
 Samples Submitted: June 12, 2018  
 Laboratory Reference: 1806-123B  
 Project: 04218014.00

**PCBs EPA 8082A  
 QUALITY CONTROL**

Matrix: Soil  
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0614S1					
Aroclor 1016	ND	0.050	EPA 8082A	6-14-18	6-14-18	
Aroclor 1221	ND	0.050	EPA 8082A	6-14-18	6-14-18	
Aroclor 1232	ND	0.050	EPA 8082A	6-14-18	6-14-18	
Aroclor 1242	ND	0.050	EPA 8082A	6-14-18	6-14-18	
Aroclor 1248	ND	0.050	EPA 8082A	6-14-18	6-14-18	
Aroclor 1254	ND	0.050	EPA 8082A	6-14-18	6-14-18	
Aroclor 1260	ND	0.050	EPA 8082A	6-14-18	6-14-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>		<i>Control Limits</i>			
DCB	86		39-130			

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
<b>MATRIX SPIKES</b>											
Laboratory ID:	06-077-01										
	MS	MSD	MS	MSD		MS	MSD				
Aroclor 1260	0.388	0.363	0.500	0.500	ND	78	73	45-118	7	15	
<i>Surrogate:</i>											
DCB						81	78	39-130			



Date of Report: June 15, 2018  
 Samples Submitted: June 12, 2018  
 Laboratory Reference: 1806-123B  
 Project: 04218014.00

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

Matrix: Soil  
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date		Flags
				Prepared	Analyzed	
Lab ID:	06-123-03					
<b>Client ID:</b>	<b>061218-Trench-Characterization</b>					
Arsenic	<b>ND</b>	11	6010D	6-14-18	6-14-18	
Barium	<b>56</b>	2.9	6010D	6-14-18	6-14-18	
Cadmium	<b>ND</b>	0.57	6010D	6-14-18	6-14-18	
Chromium	<b>46</b>	0.57	6010D	6-14-18	6-14-18	
Lead	<b>53</b>	5.7	6010D	6-14-18	6-14-18	
Mercury	<b>ND</b>	0.29	7471B	6-14-18	6-14-18	
Selenium	<b>ND</b>	11	6010D	6-14-18	6-14-18	
Silver	<b>ND</b>	1.1	6010D	6-14-18	6-14-18	



Date of Report: June 15, 2018  
 Samples Submitted: June 12, 2018  
 Laboratory Reference: 1806-123B  
 Project: 04218014.00

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

Date Extracted: 6-14-18  
 Date Analyzed: 6-14-18  
 Matrix: Soil  
 Units: mg/kg (ppm)  
 Lab ID: MB0614SM1,MB0614SM2&MB0614S1

Analyte	Method	Result	PQL
Arsenic	6010D	ND	10
Barium	6010D	ND	2.5
Cadmium	6010D	ND	0.50
Chromium	6010D	ND	0.50
Lead	6010D	ND	5.0
Mercury	7471B	ND	0.25
Selenium	6010D	ND	10
Silver	6010D	ND	1.0



Date of Report: June 15, 2018  
 Samples Submitted: June 12, 2018  
 Laboratory Reference: 1806-123B  
 Project: 04218014.00

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

Date Extracted: 6-14-18  
 Date Analyzed: 6-14-18  
 Matrix: Soil  
 Units: mg/kg (ppm)  
 Lab ID: 06-148-11

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	10	
Barium	41.9	42.4	1	2.5	
Cadmium	ND	ND	NA	0.50	
Chromium	36.7	33.2	10	0.50	
Lead	ND	ND	NA	5.0	
Mercury	ND	ND	NA	0.25	
Selenium	ND	ND	NA	10	
Silver	ND	ND	NA	1.0	



Date of Report: June 15, 2018  
 Samples Submitted: June 12, 2018  
 Laboratory Reference: 1806-123B  
 Project: 04218014.00

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

Date Extracted: 6-14-18

Date Analyzed: 6-14-18

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 06-148-11

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	<b>85.7</b>	86	<b>105</b>	105	20	
Barium	100	<b>131</b>	89	<b>149</b>	107	13	
Cadmium	50.0	<b>43.7</b>	87	<b>50.6</b>	101	15	
Chromium	100	<b>118</b>	81	<b>123</b>	87	5	
Lead	250	<b>217</b>	87	<b>250</b>	100	14	
Mercury	0.500	<b>0.560</b>	112	<b>0.515</b>	103	8	
Selenium	100	<b>87.0</b>	87	<b>100</b>	100	14	
Silver	25.0	<b>21.7</b>	87	<b>21.6</b>	86	0	







### Data Qualifiers and Abbreviations

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





**OnSite Environmental Inc.**

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

# Chain of Custody

Company: SCS Engineers

Project Number: 04213014.00

Project Name: Belleme South

Project Manager: B. Doan

Sampled by: SEB

**Turnaround Request (in working days)**

(Check One)

Same Day     1 Day

2 Days         3 Days

Standard (7 Days)  
 (TPH analysis 5 Days)

\_\_\_\_\_ (other)

Laboratory Number: **06-123**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx <input type="checkbox"/> Acid / SG Clean-up	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture	
						1	061218 - Trench - 1	6/12/18	1045	soil	4				X									
2	<del>061218</del> 061218 - Trench - 2	↓	1100	↓	4				X															
3	061218 - Trench - Characterization	↓	1120	↓	4			X	X	X					(X)				(X)					

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		SCS	6/12/18	1330	(X) Added 6/15/18 <del>BY</del> 1 day TA
Received			6/12/18	1330	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Data Package: Standard <input checked="" type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input checked="" type="checkbox"/>



June 15, 2018

Mr. Brian Doan  
SCS Engineers  
2405 140th Ave. NE, Suite 107  
Bellevue, WA 98005

Dear Mr. Doan,

On June 14th, 2 samples were received by our laboratory and assigned our laboratory project number EV18060090. The project was identified as your 04218014.00. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	6/15/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18060090
<b>CLIENT PROJECT:</b>	04218014.00	<b>ALS SAMPLE#:</b>	EV18060090-01
<b>CLIENT SAMPLE ID</b>	MFS1 NE Floor 7'	<b>DATE RECEIVED:</b>	06/14/2018
		<b>COLLECTION DATE:</b>	6/13/2018 10:30:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	06/15/2018	JMK
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	06/14/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	06/14/2018	EBS
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Chloromethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Bromomethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Acetone	EPA-8260	U	50	1	UG/KG	06/14/2018	DLC
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Methylene Chloride	EPA-8260	U	20	1	UG/KG	06/14/2018	DLC
Acrylonitrile	EPA-8260	U	50	1	UG/KG	06/14/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	06/14/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
2,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Bromochloromethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Chloroform	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Benzene	EPA-8260	U	5.0	1	UG/KG	06/14/2018	DLC
Trichloroethene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Dibromomethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	06/14/2018	DLC
Toluene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	06/14/2018	DLC
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	6/15/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18060090
<b>CLIENT PROJECT:</b>	04218014.00	<b>ALS SAMPLE#:</b>	EV18060090-01
<b>CLIENT SAMPLE ID</b>	MFS1 NE Floor 7'	<b>DATE RECEIVED:</b>	06/14/2018
		<b>COLLECTION DATE:</b>	6/13/2018 10:30:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Tetrachloroethylene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	06/14/2018	DLC
Chlorobenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
m,p-Xylene	EPA-8260	U	20	1	UG/KG	06/14/2018	DLC
Styrene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
o-Xylene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Bromoform	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Bromobenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
2-Chlorotoluene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
4-Chlorotoluene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
T-Butyl Benzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
N-Butylbenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	06/14/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	102	06/15/2018	JMK
C25	NWTPH-DX	75.1	06/14/2018	EBS
1,2-Dichloroethane-d4	EPA-8260	101	06/14/2018	DLC
Toluene-d8	EPA-8260	88.8	06/14/2018	DLC
4-Bromofluorobenzene	EPA-8260	89.7	06/14/2018	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	6/15/2018
CLIENT CONTACT:	Brian Doan	ALS JOB#:	EV18060090
CLIENT PROJECT:	04218014.00	ALS SAMPLE#:	EV18060090-01
CLIENT SAMPLE ID	MFS1 NE Floor 7'	DATE RECEIVED:	06/14/2018
		COLLECTION DATE:	6/13/2018 10:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	6/15/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18060090
<b>CLIENT PROJECT:</b>	04218014.00	<b>ALS SAMPLE#:</b>	EV18060090-02
<b>CLIENT SAMPLE ID</b>	MFS1 Lift Floor 7'	<b>DATE RECEIVED:</b>	06/14/2018
		<b>COLLECTION DATE:</b>	6/13/2018 10:45:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	06/14/2018	JMK
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	06/14/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	06/14/2018	EBS
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Chloromethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Bromomethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Acetone	EPA-8260	U	50	1	UG/KG	06/14/2018	DLC
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Methylene Chloride	EPA-8260	U	20	1	UG/KG	06/14/2018	DLC
Acrylonitrile	EPA-8260	U	50	1	UG/KG	06/14/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	06/14/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
2,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Bromochloromethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Chloroform	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Benzene	EPA-8260	U	5.0	1	UG/KG	06/14/2018	DLC
Trichloroethene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Dibromomethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	06/14/2018	DLC
Toluene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	06/14/2018	DLC
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Tetrachloroethylene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	6/15/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18060090
<b>CLIENT PROJECT:</b>	04218014.00	<b>ALS SAMPLE#:</b>	EV18060090-02
<b>CLIENT SAMPLE ID</b>	MFS1 Lift Floor 7'	<b>DATE RECEIVED:</b>	06/14/2018
		<b>COLLECTION DATE:</b>	6/13/2018 10:45:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	06/14/2018	DLC
Chlorobenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
m,p-Xylene	EPA-8260	U	20	1	UG/KG	06/14/2018	DLC
Styrene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
o-Xylene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Bromoform	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Bromobenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
2-Chlorotoluene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
4-Chlorotoluene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
T-Butyl Benzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
N-Butylbenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	06/14/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	06/14/2018	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	105	06/14/2018	JMK
C25	NWTPH-DX	73.9	06/14/2018	EBS
1,2-Dichloroethane-d4	EPA-8260	102	06/14/2018	DLC
Toluene-d8	EPA-8260	89.3	06/14/2018	DLC
4-Bromofluorobenzene	EPA-8260	93.5	06/14/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.







**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00

DATE: 6/15/2018  
 ALS SDG#: EV18060090  
 WDOE ACCREDITATION: C601

**LABORATORY BLANK RESULTS**

**MBG-061418 - Batch 129437 - Soil by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Mineral Spirits	NWTPH-GX	U	MG/KG	3.0	06/14/2018	JMK
TPH-Volatile Range	NWTPH-GX	U	25.0	3.0	06/14/2018	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-061418S - Batch 129415 - Soil by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	06/14/2018	EBS
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	06/14/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-061418S - Batch 129426 - Soil by EPA-8260**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Chloromethane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Vinyl Chloride	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Bromomethane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Chloroethane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Trichlorofluoromethane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Acetone	EPA-8260	U	UG/KG	50	06/14/2018	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Methylene Chloride	EPA-8260	U	UG/KG	20	06/14/2018	DLC
Acrylonitrile	EPA-8260	U	UG/KG	50	06/14/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
2-Butanone	EPA-8260	U	UG/KG	50	06/14/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
2,2-Dichloropropane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Bromochloromethane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Chloroform	EPA-8260	U	UG/KG	10	06/14/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
1,1-Dichloropropene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Benzene	EPA-8260	U	UG/KG	5.0	06/14/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00

DATE: 6/15/2018  
 ALS SDG#: EV18060090  
 WDOE ACCREDITATION: C601

**LABORATORY BLANK RESULTS**

**MB-061418S - Batch 129426 - Soil by EPA-8260**

Trichloroethene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Dibromomethane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Bromodichloromethane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	06/14/2018	DLC
Toluene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	06/14/2018	DLC
1,3-Dichloropropane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Dibromochloromethane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	06/14/2018	DLC
Chlorobenzene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Ethylbenzene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
m,p-Xylene	EPA-8260	U	UG/KG	20	06/14/2018	DLC
Styrene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
o-Xylene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Bromoform	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Isopropylbenzene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Bromobenzene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
N-Propyl Benzene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
2-Chlorotoluene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
4-Chlorotoluene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
T-Butyl Benzene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
S-Butyl Benzene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
P-Isopropyltoluene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
N-Butylbenzene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	UG/KG	50	06/14/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Hexachlorobutadiene	EPA-8260	U	UG/KG	10	06/14/2018	DLC
Naphthalene	EPA-8260	U	UG/KG	10	06/14/2018	DLC



CERTIFICATE OF ANALYSIS

CLIENT: SCS Engineers DATE: 6/15/2018  
2405 140th Ave. NE, Suite 107 ALS SDG#: EV18060090  
Bellevue, WA 98005 WDOE ACCREDITATION: C601  
CLIENT CONTACT: Brian Doan  
CLIENT PROJECT: 04218014.00

LABORATORY BLANK RESULTS

**MB-061418S - Batch 129426 - Soil by EPA-8260**

1,2,3-Trichlorobenzene EPA-8260 U UG/KG 10 06/14/2018 DLC

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	6/15/2018
CLIENT CONTACT:	Brian Doan	ALS SDG#:	EV18060090
CLIENT PROJECT:	04218014.00	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 129437 - Soil by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	91.2			66.5	122.7	06/14/2018	JMK
TPH-Volatile Range - BSD	NWTPH-GX	91.7	1		66.5	122.7	06/14/2018	JMK

**ALS Test Batch ID: 129415 - Soil by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	95.7			75.5	122.1	06/14/2018	EBS
TPH-Diesel Range - BSD	NWTPH-DX	93.2	3		75.5	122.1	06/14/2018	EBS

**ALS Test Batch ID: 129426 - Soil by EPA-8260**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Dichlorodifluoromethane - BS	EPA-8260	109			50	150	06/14/2018	DLC
Dichlorodifluoromethane - BSD	EPA-8260	113	4		50	150	06/14/2018	DLC
Chloromethane - BS	EPA-8260	105			50	150	06/14/2018	DLC
Chloromethane - BSD	EPA-8260	108	3		50	150	06/14/2018	DLC
Vinyl Chloride - BS	EPA-8260	93.9			50	150	06/14/2018	DLC
Vinyl Chloride - BSD	EPA-8260	101	7		50	150	06/14/2018	DLC
Bromomethane - BS	EPA-8260	102			50	150	06/14/2018	DLC
Bromomethane - BSD	EPA-8260	104	2		50	150	06/14/2018	DLC
Chloroethane - BS	EPA-8260	105			50	150	06/14/2018	DLC
Chloroethane - BSD	EPA-8260	109	4		50	150	06/14/2018	DLC
Carbon Tetrachloride - BS	EPA-8260	108			50	150	06/14/2018	DLC
Carbon Tetrachloride - BSD	EPA-8260	113	5		50	150	06/14/2018	DLC
Trichlorofluoromethane - BS	EPA-8260	108			50	150	06/14/2018	DLC
Trichlorofluoromethane - BSD	EPA-8260	112	4		50	150	06/14/2018	DLC
Carbon Disulfide - BS	EPA-8260	108			50	150	06/14/2018	DLC
Carbon Disulfide - BSD	EPA-8260	115	6		50	150	06/14/2018	DLC
Acetone - BS	EPA-8260	126			50	150	06/14/2018	DLC
Acetone - BSD	EPA-8260	124	2		50	150	06/14/2018	DLC
1,1-Dichloroethene - BS	EPA-8260	92.1			73	138	06/14/2018	DLC
1,1-Dichloroethene - BSD	EPA-8260	96.0	4		73	138	06/14/2018	DLC
Methylene Chloride - BS	EPA-8260	137			50	150	06/14/2018	DLC
Methylene Chloride - BSD	EPA-8260	150	9		50	150	06/14/2018	DLC
Acrylonitrile - BS	EPA-8260	99.1			50	150	06/14/2018	DLC
Acrylonitrile - BSD	EPA-8260	102	2		50	150	06/14/2018	DLC
Methyl T-Butyl Ether - BS	EPA-8260	96.8			50	150	06/14/2018	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	104	7		50	150	06/14/2018	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	99.3			50	150	06/14/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00

DATE: 6/15/2018  
 ALS SDG#: EV18060090  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Trans-1,2-Dichloroethene - BSD	EPA-8260	101	2		50	150	06/14/2018	DLC
1,1-Dichloroethane - BS	EPA-8260	98.8			50	150	06/14/2018	DLC
1,1-Dichloroethane - BSD	EPA-8260	98.7	0		50	150	06/14/2018	DLC
2-Butanone - BS	EPA-8260	95.8			50	150	06/14/2018	DLC
2-Butanone - BSD	EPA-8260	96.6	1		50	150	06/14/2018	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	97.7			50	150	06/14/2018	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	103	6		50	150	06/14/2018	DLC
2,2-Dichloropropane - BS	EPA-8260	112			50	150	06/14/2018	DLC
2,2-Dichloropropane - BSD	EPA-8260	116	4		50	150	06/14/2018	DLC
Bromochloromethane - BS	EPA-8260	95.3			50	150	06/14/2018	DLC
Bromochloromethane - BSD	EPA-8260	99.9	5		50	150	06/14/2018	DLC
Chloroform - BS	EPA-8260	111			50	150	06/14/2018	DLC
Chloroform - BSD	EPA-8260	116	4		50	150	06/14/2018	DLC
1,1,1-Trichloroethane - BS	EPA-8260	106			50	150	06/14/2018	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	110	3		50	150	06/14/2018	DLC
1,1-Dichloropropene - BS	EPA-8260	105			50	150	06/14/2018	DLC
1,1-Dichloropropene - BSD	EPA-8260	109	4		50	150	06/14/2018	DLC
1,2-Dichloroethane - BS	EPA-8260	108			50	150	06/14/2018	DLC
1,2-Dichloroethane - BSD	EPA-8260	112	3		50	150	06/14/2018	DLC
Benzene - BS	EPA-8260	109			75	138	06/14/2018	DLC
Benzene - BSD	EPA-8260	112	3		75	138	06/14/2018	DLC
Trichloroethene - BS	EPA-8260	109			75	136	06/14/2018	DLC
Trichloroethene - BSD	EPA-8260	111	2		75	136	06/14/2018	DLC
1,2-Dichloropropane - BS	EPA-8260	129			50	150	06/14/2018	DLC
1,2-Dichloropropane - BSD	EPA-8260	132	3		50	150	06/14/2018	DLC
Dibromomethane - BS	EPA-8260	109			50	150	06/14/2018	DLC
Dibromomethane - BSD	EPA-8260	109	0		50	150	06/14/2018	DLC
Bromodichloromethane - BS	EPA-8260	128			50	150	06/14/2018	DLC
Bromodichloromethane - BSD	EPA-8260	132	3		50	150	06/14/2018	DLC
Trans-1,3-Dichloropropene - BS	EPA-8260	106			50	150	06/14/2018	DLC
Trans-1,3-Dichloropropene - BSD	EPA-8260	111	5		50	150	06/14/2018	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	118			50	150	06/14/2018	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	119	1		50	150	06/14/2018	DLC
Toluene - BS	EPA-8260	106			71.6	122.1	06/14/2018	DLC
Toluene - BSD	EPA-8260	109	3		71.6	122.1	06/14/2018	DLC
Cis-1,3-Dichloropropene - BS	EPA-8260	119			50	150	06/14/2018	DLC
Cis-1,3-Dichloropropene - BSD	EPA-8260	124	4		50	150	06/14/2018	DLC
1,1,2-Trichloroethane - BS	EPA-8260	84.9			50	150	06/14/2018	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	88.8	5		50	150	06/14/2018	DLC
2-Hexanone - BS	EPA-8260	93.8			50	150	06/14/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00

DATE: 6/15/2018  
 ALS SDG#: EV18060090  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
2-Hexanone - BSD	EPA-8260	91.6	2		50	150	06/14/2018	DLC
1,3-Dichloropropane - BS	EPA-8260	91.6			50	150	06/14/2018	DLC
1,3-Dichloropropane - BSD	EPA-8260	97.9	7		50	150	06/14/2018	DLC
Tetrachloroethylene - BS	EPA-8260	111			50	150	06/14/2018	DLC
Tetrachloroethylene - BSD	EPA-8260	114	2		50	150	06/14/2018	DLC
Dibromochloromethane - BS	EPA-8260	86.2			50	150	06/14/2018	DLC
Dibromochloromethane - BSD	EPA-8260	90.0	4		50	150	06/14/2018	DLC
1,2-Dibromoethane - BS	EPA-8260	83.2			50	150	06/14/2018	DLC
1,2-Dibromoethane - BSD	EPA-8260	86.6	4		50	150	06/14/2018	DLC
Chlorobenzene - BS	EPA-8260	94.6			79	128	06/14/2018	DLC
Chlorobenzene - BSD	EPA-8260	98.8	4		79	128	06/14/2018	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	86.9			50	150	06/14/2018	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	89.7	3		50	150	06/14/2018	DLC
Ethylbenzene - BS	EPA-8260	92.4			50	150	06/14/2018	DLC
Ethylbenzene - BSD	EPA-8260	95.8	4		50	150	06/14/2018	DLC
m,p-Xylene - BS	EPA-8260	91.7			50	150	06/14/2018	DLC
m,p-Xylene - BSD	EPA-8260	93.9	2		50	150	06/14/2018	DLC
Styrene - BS	EPA-8260	94.3			50	150	06/14/2018	DLC
Styrene - BSD	EPA-8260	98.5	4		50	150	06/14/2018	DLC
o-Xylene - BS	EPA-8260	96.3			50	150	06/14/2018	DLC
o-Xylene - BSD	EPA-8260	101	4		50	150	06/14/2018	DLC
Bromoform - BS	EPA-8260	96.4			50	150	06/14/2018	DLC
Bromoform - BSD	EPA-8260	103	7		50	150	06/14/2018	DLC
Isopropylbenzene - BS	EPA-8260	97.1			50	150	06/14/2018	DLC
Isopropylbenzene - BSD	EPA-8260	100	3		50	150	06/14/2018	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	93.3			50	150	06/14/2018	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	95.7	3		50	150	06/14/2018	DLC
1,2,3-Trichloropropane - BS	EPA-8260	91.2			50	150	06/14/2018	DLC
1,2,3-Trichloropropane - BSD	EPA-8260	94.4	3		50	150	06/14/2018	DLC
Bromobenzene - BS	EPA-8260	89.7			50	150	06/14/2018	DLC
Bromobenzene - BSD	EPA-8260	92.1	3		50	150	06/14/2018	DLC
N-Propyl Benzene - BS	EPA-8260	100			50	150	06/14/2018	DLC
N-Propyl Benzene - BSD	EPA-8260	101	1		50	150	06/14/2018	DLC
2-Chlorotoluene - BS	EPA-8260	99.9			50	150	06/14/2018	DLC
2-Chlorotoluene - BSD	EPA-8260	101	2		50	150	06/14/2018	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	98.9			50	150	06/14/2018	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	100	2		50	150	06/14/2018	DLC
4-Chlorotoluene - BS	EPA-8260	103			50	150	06/14/2018	DLC
4-Chlorotoluene - BSD	EPA-8260	104	2		50	150	06/14/2018	DLC
T-Butyl Benzene - BS	EPA-8260	99.6			50	150	06/14/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00

DATE: 6/15/2018  
 ALS SDG#: EV18060090  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
T-Butyl Benzene - BSD	EPA-8260	103	3		50	150	06/14/2018	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	98.8			50	150	06/14/2018	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	100	2		50	150	06/14/2018	DLC
S-Butyl Benzene - BS	EPA-8260	99.1			50	150	06/14/2018	DLC
S-Butyl Benzene - BSD	EPA-8260	101	2		50	150	06/14/2018	DLC
P-Isopropyltoluene - BS	EPA-8260	98.7			50	150	06/14/2018	DLC
P-Isopropyltoluene - BSD	EPA-8260	100	2		50	150	06/14/2018	DLC
1,3-Dichlorobenzene - BS	EPA-8260	90.2			50	150	06/14/2018	DLC
1,3-Dichlorobenzene - BSD	EPA-8260	92.5	2		50	150	06/14/2018	DLC
1,4-Dichlorobenzene - BS	EPA-8260	89.7			50	150	06/14/2018	DLC
1,4-Dichlorobenzene - BSD	EPA-8260	90.7	1		50	150	06/14/2018	DLC
N-Butylbenzene - BS	EPA-8260	104			50	150	06/14/2018	DLC
N-Butylbenzene - BSD	EPA-8260	107	3		50	150	06/14/2018	DLC
1,2-Dichlorobenzene - BS	EPA-8260	88.4			50	150	06/14/2018	DLC
1,2-Dichlorobenzene - BSD	EPA-8260	91.3	3		50	150	06/14/2018	DLC
1,2-Dibromo 3-Chloropropane - BS	EPA-8260	97.4			50	150	06/14/2018	DLC
1,2-Dibromo 3-Chloropropane - BSD	EPA-8260	101	3		50	150	06/14/2018	DLC
1,2,4-Trichlorobenzene - BS	EPA-8260	97.5			50	150	06/14/2018	DLC
1,2,4-Trichlorobenzene - BSD	EPA-8260	99.2	2		50	150	06/14/2018	DLC
Hexachlorobutadiene - BS	EPA-8260	84.4			50	150	06/14/2018	DLC
Hexachlorobutadiene - BSD	EPA-8260	86.4	2		50	150	06/14/2018	DLC
Naphthalene - BS	EPA-8260	97.2			50	150	06/14/2018	DLC
Naphthalene - BSD	EPA-8260	102	4		50	150	06/14/2018	DLC
1,2,3-Trichlorobenzene - BS	EPA-8260	97.6			50	150	06/14/2018	DLC
1,2,3-Trichlorobenzene - BSD	EPA-8260	101	4		50	150	06/14/2018	DLC

APPROVED BY

Laboratory Director





**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EVI806009D

Date 6-13-18 Page 1 Of 1

PROJECT ID: <u>04218014.00</u>					ANALYSIS REQUESTED												OTHER (Specify)													
REPORT TO COMPANY: <u>SCS Engineers</u>					<input type="checkbox"/> NWTPH-HCID <input type="checkbox"/> NWTPH-DX <input checked="" type="checkbox"/> NWTPH-GX <u>mineral spirits?</u> <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 <input type="checkbox"/> Volatile Organic Compounds by EPA 8260 <input type="checkbox"/> EDB / EDC by EPA 8260 SIM (water) <input type="checkbox"/> EDB / EDC by EPA 8260 (soil) <input type="checkbox"/> Semivolatile Organic Compounds by EPA 8270 <input type="checkbox"/> Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM <input type="checkbox"/> PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCPA-8 <input type="checkbox"/> Pri Pol <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) <input type="checkbox"/> TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs																									
PROJECT MANAGER: <u>Brian Doan</u>																														
ADDRESS: <u>2405 140th Ave NE #107</u> <u>Belleve, WA 98005</u>																														
PHONE: <u>425-289-5445</u> P.O. #:																														
E-MAIL: <u>BDoan@SCSEngineers.com</u>																														
INVOICE TO COMPANY: <u>Same</u>																														
ATTENTION:																														
ADDRESS:																														
SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021	MTBE by EPA 8021	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082	Pesticides by EPA 8081	Metals-MTCA-5	RCPA-8	Pri Pol	TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?	
1. MFS1 NE Floor 7'	6-13-18	1030	Soil	1			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>																		4	
2. MFS1 LiA Floor 7'	6-13-18	1045	Soil	2			<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>																	4		
3.																														
4.																														
5.																														
6.																														
7.																														
8.																														
9.																														
10.																														

**SPECIAL INSTRUCTIONS**

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: [Signature] AS 6/14/18

Received By: [Signature] ALS 0920 6/14/18

2. Relinquished By: \_\_\_\_\_

Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*

Organic, Metals & Inorganic Analysis OTHER: \_\_\_\_\_

10 5 3 2  SAME DAY

Fuels & Hydrocarbon Analysis

5 3  SAME DAY

Specify: \_\_\_\_\_

\*Turnaround request less than standard may incur Rush Charges



June 18, 2018

Mr. Brian Doan  
SCS Engineers  
2405 140th Ave. NE, Suite 107  
Bellevue, WA 98005

Dear Mr. Doan,

On June 15th, 4 samples were received by our laboratory and assigned our laboratory project number EV18060102. The project was identified as your Bellevue South 04218014.00. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	6/18/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18060102
<b>CLIENT PROJECT:</b>	Bellevue South 04218014.00	<b>ALS SAMPLE#:</b>	EV18060102-01
<b>CLIENT SAMPLE ID</b>	MFS1 C Vault 9'	<b>DATE RECEIVED:</b>	06/15/2018
		<b>COLLECTION DATE:</b>	6/14/2018 11:50:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	<b>70</b>	3.0	1	MG/KG	06/15/2018	JMK
Benzene	EPA-8021	U	0.030	1	MG/KG	06/15/2018	JMK
Toluene	EPA-8021	U	0.050	1	MG/KG	06/15/2018	JMK
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	06/15/2018	JMK
Xylenes	EPA-8021	U	0.20	1	MG/KG	06/15/2018	JMK
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	06/18/2018	GAP
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	06/18/2018	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>128</b>	06/15/2018	JMK
TFT	EPA-8021	<b>96.3</b>	06/15/2018	JMK
C25	NWTPH-DX	<b>83.6</b>	06/18/2018	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains mineral spirits.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	6/18/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18060102
<b>CLIENT PROJECT:</b>	Bellevue South 04218014.00	<b>ALS SAMPLE#:</b>	EV18060102-02
<b>CLIENT SAMPLE ID</b>	MFS1 N Vault 9'	<b>DATE RECEIVED:</b>	06/15/2018
		<b>COLLECTION DATE:</b>	6/14/2018 12:20:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	9.5	3.0	1	MG/KG	06/15/2018	JMK
Benzene	EPA-8021	U	0.030	1	MG/KG	06/15/2018	JMK
Toluene	EPA-8021	U	0.050	1	MG/KG	06/15/2018	JMK
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	06/15/2018	JMK
Xylenes	EPA-8021	U	0.20	1	MG/KG	06/15/2018	JMK
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	06/18/2018	GAP
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	06/18/2018	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	108	06/15/2018	JMK
TFT	EPA-8021	84.7	06/15/2018	JMK
C25	NWTPH-DX	70.2	06/18/2018	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains mineral spirits.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	6/18/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18060102
<b>CLIENT PROJECT:</b>	Bellevue South 04218014.00	<b>ALS SAMPLE#:</b>	EV18060102-03
<b>CLIENT SAMPLE ID</b>	MFS1 Vault SPA	<b>DATE RECEIVED:</b>	06/15/2018
		<b>COLLECTION DATE:</b>	6/14/2018 12:50:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING	DILUTION	UNITS	ANALYSIS	ANALYSIS
			LIMITS	FACTOR		DATE	BY
TPH-Mineral Spirits	NWTPH-GX	250	30	10	MG/KG	06/15/2018	JMK
TPH-Diesel Range	NWTPH-DX	160	25	1	MG/KG	06/18/2018	GAP
TPH-Oil Range	NWTPH-DX	230	50	1	MG/KG	06/18/2018	GAP
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Chloromethane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Bromomethane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Acetone	EPA-8260	U	50	1	UG/KG	06/18/2018	DLC
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Methylene Chloride	EPA-8260	U	20	1	UG/KG	06/18/2018	DLC
Acrylonitrile	EPA-8260	U	50	1	UG/KG	06/18/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	06/18/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
2,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Bromochloromethane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Chloroform	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Benzene	EPA-8260	U	5.0	1	UG/KG	06/18/2018	DLC
Trichloroethene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Dibromomethane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	06/18/2018	DLC
Toluene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	06/18/2018	DLC
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Tetrachloroethylene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	6/18/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18060102
<b>CLIENT PROJECT:</b>	Bellevue South 04218014.00	<b>ALS SAMPLE#:</b>	EV18060102-03
<b>CLIENT SAMPLE ID</b>	MFS1 Vault SPA	<b>DATE RECEIVED:</b>	06/15/2018
		<b>COLLECTION DATE:</b>	6/14/2018 12:50:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING	DILUTION	UNITS	ANALYSIS	ANALYSIS
			LIMITS	FACTOR		DATE	BY
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	06/18/2018	DLC
Chlorobenzene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Ethylbenzene	EPA-8260	25	10	1	UG/KG	06/18/2018	DLC
m,p-Xylene	EPA-8260	79	20	1	UG/KG	06/18/2018	DLC
Styrene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
o-Xylene	EPA-8260	U	40	1	UG/KG	06/18/2018	DLC
Bromoform	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Isopropylbenzene	EPA-8260	52	39	1	UG/KG	06/18/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Bromobenzene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
N-Propyl Benzene	EPA-8260	180	47	1	UG/KG	06/18/2018	DLC
2-Chlorotoluene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	490	35	1	UG/KG	06/18/2018	DLC
4-Chlorotoluene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
T-Butyl Benzene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	840	38	1	UG/KG	06/18/2018	DLC
S-Butyl Benzene	EPA-8260	180	41	1	UG/KG	06/18/2018	DLC
P-Isopropyltoluene	EPA-8260	210	34	1	UG/KG	06/18/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
N-Butylbenzene	EPA-8260	250	37	1	UG/KG	06/18/2018	DLC
1,2-Dichlorobenzene	EPA-8260	16	10	1	UG/KG	06/18/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	06/18/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	06/18/2018	DLC
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/18/2018	PAB
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/18/2018	PAB
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/18/2018	PAB
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/18/2018	PAB
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/18/2018	PAB
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/18/2018	PAB
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/18/2018	PAB
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/18/2018	PAB
Mercury	EPA-7471	U	0.020	1	MG/KG	06/18/2018	RAL



**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	6/18/2018
CLIENT CONTACT:	Brian Doan	ALS JOB#:	EV18060102
CLIENT PROJECT:	Bellevue South 04218014.00	ALS SAMPLE#:	EV18060102-03
CLIENT SAMPLE ID	MFS1 Vault SPA	DATE RECEIVED:	06/15/2018
		COLLECTION DATE:	6/14/2018 12:50:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	1.6	1.0	5	MG/KG	06/18/2018	RAL
Cadmium	EPA-6020	U	0.50	5	MG/KG	06/18/2018	RAL
Chromium	EPA-6020	18	0.50	5	MG/KG	06/18/2018	RAL
Lead	EPA-6020	4.0	0.50	5	MG/KG	06/18/2018	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 10X Dilution	NWTPH-GX	112	06/15/2018	JMK
C25	NWTPH-DX	86.3	06/18/2018	GAP
1,2-Dichloroethane-d4	EPA-8260	99.0	06/18/2018	DLC
1,2-Dichloroethane-d4	EPA-8260	94.7	06/18/2018	DLC
Toluene-d8	EPA-8260	85.5	06/18/2018	DLC
Toluene-d8	EPA-8260	108	06/18/2018	DLC
4-Bromofluorobenzene	EPA-8260	65.2 GS1	06/18/2018	DLC
4-Bromofluorobenzene	EPA-8260	10600 GS1	06/18/2018	DLC
TCMX	EPA-8082	70.8	06/18/2018	PAB
DCB	EPA-8082	75.5	06/18/2018	PAB

U - Analyte analyzed for but not detected at level above reporting limit.  
 GS1 - Surrogate outside of control limits due to matrix effect.  
 Chromatogram indicates that it is likely that sample contains mineral spirits and light oil.  
 Chromatogram indicates that it is likely that sample contains mineral spirits and lube oil.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	6/18/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18060102
<b>CLIENT PROJECT:</b>	Bellevue South 04218014.00	<b>ALS SAMPLE#:</b>	EV18060102-04
<b>CLIENT SAMPLE ID</b>	MFS1 SPB	<b>DATE RECEIVED:</b>	06/15/2018
		<b>COLLECTION DATE:</b>	6/14/2018 1:10:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Diesel Range	NWTPH-DX	<b>180</b>	25	1	MG/KG	06/18/2018	GAP
TPH-Oil Range	NWTPH-DX	<b>280</b>	50	1	MG/KG	06/18/2018	GAP
PCB-1016	EPA-8082	U	0.10	1	MG/KG	06/18/2018	PAB
PCB-1221	EPA-8082	U	0.10	1	MG/KG	06/18/2018	PAB
PCB-1232	EPA-8082	U	0.10	1	MG/KG	06/18/2018	PAB
PCB-1242	EPA-8082	U	0.10	1	MG/KG	06/18/2018	PAB
PCB-1248	EPA-8082	U	0.10	1	MG/KG	06/18/2018	PAB
PCB-1254	EPA-8082	U	0.10	1	MG/KG	06/18/2018	PAB
PCB-1260	EPA-8082	U	0.10	1	MG/KG	06/18/2018	PAB
PCB-1268	EPA-8082	U	0.10	1	MG/KG	06/18/2018	PAB
Mercury	EPA-7471	U	0.020	1	MG/KG	06/18/2018	RAL
Arsenic	EPA-6020	<b>1.7</b>	1.0	5	MG/KG	06/18/2018	RAL
Cadmium	EPA-6020	U	0.50	5	MG/KG	06/18/2018	RAL
Chromium	EPA-6020	<b>20</b>	0.50	5	MG/KG	06/18/2018	RAL
Lead	EPA-6020	<b>7.2</b>	0.50	5	MG/KG	06/18/2018	RAL

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
C25	NWTPH-DX	<b>91.8</b>	06/18/2018	GAP
TCMX	EPA-8082	<b>77.4</b>	06/18/2018	PAB
DCB	EPA-8082	<b>74.8</b>	06/18/2018	PAB

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains light oil.  
 Chromatogram indicates that it is likely that sample contains lube oil.





**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	6/18/2018
CLIENT CONTACT:	Brian Doan	ALS SDG#:	EV18060102
CLIENT PROJECT:	Bellevue South 04218014.00	WDOE ACCREDITATION:	C601

**LABORATORY BLANK RESULTS**

**MBG-061518S - Batch 129516 - Soil by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Mineral Spirits	NWTPH-GX	U	MG/KG	3.0	06/15/2018	JMK
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	06/15/2018	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-061518S - Batch 129516 - Soil by EPA-8021**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	MG/KG	0.030	06/15/2018	JMK
Toluene	EPA-8021	U	MG/KG	0.050	06/15/2018	JMK
Ethylbenzene	EPA-8021	U	MG/KG	0.050	06/15/2018	JMK
Xylenes	EPA-8021	U	MG/KG	0.20	06/15/2018	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-061518S - Batch 129517 - Soil by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	06/18/2018	GAP
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	06/18/2018	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-061818S - Batch 129505 - Soil by EPA-8260**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Chloromethane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Vinyl Chloride	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Bromomethane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Chloroethane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Trichlorofluoromethane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Acetone	EPA-8260	U	UG/KG	50	06/18/2018	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Methylene Chloride	EPA-8260	U	UG/KG	20	06/18/2018	DLC
Acrylonitrile	EPA-8260	U	UG/KG	50	06/18/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	10	06/18/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: Bellevue South 04218014.00

DATE: 6/18/2018  
 ALS SDG#: EV18060102  
 WDOE ACCREDITATION: C601

**LABORATORY BLANK RESULTS**

**MB-061818S - Batch 129505 - Soil by EPA-8260**

2-Butanone	EPA-8260	U	UG/KG	50	06/18/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
2,2-Dichloropropane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Bromochloromethane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Chloroform	EPA-8260	U	UG/KG	10	06/18/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
1,1-Dichloropropene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Benzene	EPA-8260	U	UG/KG	5.0	06/18/2018	DLC
Trichloroethene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Dibromomethane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Bromodichloromethane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	06/18/2018	DLC
Toluene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	06/18/2018	DLC
1,3-Dichloropropane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Dibromochloromethane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	06/18/2018	DLC
Chlorobenzene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Ethylbenzene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
m,p-Xylene	EPA-8260	U	UG/KG	20	06/18/2018	DLC
Styrene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Bromoform	EPA-8260	U	UG/KG	10	06/18/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Bromobenzene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
2-Chlorotoluene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
4-Chlorotoluene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
T-Butyl Benzene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	UG/KG	50	06/18/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
Hexachlorobutadiene	EPA-8260	U	UG/KG	10	06/18/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: Bellevue South 04218014.00

DATE: 6/18/2018  
 ALS SDG#: EV18060102  
 WDOE ACCREDITATION: C601

**LABORATORY BLANK RESULTS**

**MB-061818S - Batch 129505 - Soil by EPA-8260**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8260	U	UG/KG	10	06/18/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	UG/KG	10	06/18/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-061818S - Batch 129528 - Soil by EPA-8082**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	MG/KG	0.10	06/18/2018	PAB
PCB-1221	EPA-8082	U	MG/KG	0.10	06/18/2018	PAB
PCB-1232	EPA-8082	U	MG/KG	0.10	06/18/2018	PAB
PCB-1242	EPA-8082	U	MG/KG	0.10	06/18/2018	PAB
PCB-1248	EPA-8082	U	MG/KG	0.10	06/18/2018	PAB
PCB-1254	EPA-8082	U	MG/KG	0.10	06/18/2018	PAB
PCB-1260	EPA-8082	U	MG/KG	0.10	06/18/2018	PAB
PCB-1268	EPA-8082	U	MG/KG	0.10	06/18/2018	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MBLK-318196 - Batch R318196 - Soil by EPA-7471**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	06/18/2018	RAL

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-061818S - Batch 129499 - Soil by EPA-6020**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	U	MG/KG	0.20	06/18/2018	RAL
Cadmium	EPA-6020	U	MG/KG	0.10	06/18/2018	RAL
Chromium	EPA-6020	U	MG/KG	0.10	06/18/2018	RAL
Lead	EPA-6020	U	MG/KG	0.10	06/18/2018	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: Bellevue South 04218014.00

DATE: 6/18/2018  
 ALS SDG#: EV18060102  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 129516 - Soil by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	106			66.5	122.7	06/15/2018	JMK
TPH-Volatile Range - BSD	NWTPH-GX	102	4		66.5	122.7	06/15/2018	JMK

**ALS Test Batch ID: 129516 - Soil by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzene - BS	EPA-8021	86.4			67.7	124	06/15/2018	JMK
Benzene - BSD	EPA-8021	87.2	1		67.7	124	06/15/2018	JMK
Toluene - BS	EPA-8021	87.1			71	123	06/15/2018	JMK
Toluene - BSD	EPA-8021	87.7	1		71	123	06/15/2018	JMK
Ethylbenzene - BS	EPA-8021	92.0			69.8	117	06/15/2018	JMK
Ethylbenzene - BSD	EPA-8021	93.5	2		69.8	117	06/15/2018	JMK
Xylenes - BS	EPA-8021	94.0			70	119	06/15/2018	JMK
Xylenes - BSD	EPA-8021	94.3	0		70	119	06/15/2018	JMK

**ALS Test Batch ID: 129517 - Soil by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	90.7			75.5	122.1	06/18/2018	GAP
TPH-Diesel Range - BSD	NWTPH-DX	85.6	6		75.5	122.1	06/18/2018	GAP

**ALS Test Batch ID: 129505 - Soil by EPA-8260**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Dichlorodifluoromethane - BS	EPA-8260	83.2			50	150	06/18/2018	DLC
Dichlorodifluoromethane - BSD	EPA-8260	80.2	4		50	150	06/18/2018	DLC
Chloromethane - BS	EPA-8260	89.8			50	150	06/18/2018	DLC
Chloromethane - BSD	EPA-8260	86.8	3		50	150	06/18/2018	DLC
Vinyl Chloride - BS	EPA-8260	98.6			50	150	06/18/2018	DLC
Vinyl Chloride - BSD	EPA-8260	96.1	3		50	150	06/18/2018	DLC
Bromomethane - BS	EPA-8260	59.7			50	150	06/18/2018	DLC
Bromomethane - BSD	EPA-8260	59.1	1		50	150	06/18/2018	DLC
Chloroethane - BS	EPA-8260	112			50	150	06/18/2018	DLC
Chloroethane - BSD	EPA-8260	105	7		50	150	06/18/2018	DLC
Carbon Tetrachloride - BS	EPA-8260	120			50	150	06/18/2018	DLC
Carbon Tetrachloride - BSD	EPA-8260	117	3		50	150	06/18/2018	DLC
Trichlorofluoromethane - BS	EPA-8260	113			50	150	06/18/2018	DLC
Trichlorofluoromethane - BSD	EPA-8260	109	4		50	150	06/18/2018	DLC
Carbon Disulfide - BS	EPA-8260	116			50	150	06/18/2018	DLC



**CERTIFICATE OF ANALYSIS**

**CLIENT:** SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

**CLIENT CONTACT:** Brian Doan  
**CLIENT PROJECT:** Bellevue South 04218014.00

**DATE:** 6/18/2018  
**ALS SDG#:** EV18060102  
**WDOE ACCREDITATION:** C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Carbon Disulfide - BSD	EPA-8260	109	6		50	150	06/18/2018	DLC
Acetone - BS	EPA-8260	120			50	150	06/18/2018	DLC
Acetone - BSD	EPA-8260	117	2		50	150	06/18/2018	DLC
1,1-Dichloroethene - BS	EPA-8260	101			73	138	06/18/2018	DLC
1,1-Dichloroethene - BSD	EPA-8260	96.5	5		73	138	06/18/2018	DLC
Methylene Chloride - BS	EPA-8260	146			50	150	06/18/2018	DLC
Methylene Chloride - BSD	EPA-8260	145	1		50	150	06/18/2018	DLC
Acrylonitrile - BS	EPA-8260	108			50	150	06/18/2018	DLC
Acrylonitrile - BSD	EPA-8260	102	6		50	150	06/18/2018	DLC
Methyl T-Butyl Ether - BS	EPA-8260	101			50	150	06/18/2018	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	96.6	4		50	150	06/18/2018	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	108			50	150	06/18/2018	DLC
Trans-1,2-Dichloroethene - BSD	EPA-8260	102	6		50	150	06/18/2018	DLC
1,1-Dichloroethane - BS	EPA-8260	110			50	150	06/18/2018	DLC
1,1-Dichloroethane - BSD	EPA-8260	99.3	11		50	150	06/18/2018	DLC
2-Butanone - BS	EPA-8260	110			50	150	06/18/2018	DLC
2-Butanone - BSD	EPA-8260	102	8		50	150	06/18/2018	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	111			50	150	06/18/2018	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	104	6		50	150	06/18/2018	DLC
2,2-Dichloropropane - BS	EPA-8260	123			50	150	06/18/2018	DLC
2,2-Dichloropropane - BSD	EPA-8260	117	5		50	150	06/18/2018	DLC
Bromochloromethane - BS	EPA-8260	108			50	150	06/18/2018	DLC
Bromochloromethane - BSD	EPA-8260	104	3		50	150	06/18/2018	DLC
Chloroform - BS	EPA-8260	124			50	150	06/18/2018	DLC
Chloroform - BSD	EPA-8260	120	3		50	150	06/18/2018	DLC
1,1,1-Trichloroethane - BS	EPA-8260	116			50	150	06/18/2018	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	111	4		50	150	06/18/2018	DLC
1,1-Dichloropropene - BS	EPA-8260	115			50	150	06/18/2018	DLC
1,1-Dichloropropene - BSD	EPA-8260	110	5		50	150	06/18/2018	DLC
1,2-Dichloroethane - BS	EPA-8260	118			50	150	06/18/2018	DLC
1,2-Dichloroethane - BSD	EPA-8260	116	2		50	150	06/18/2018	DLC
Benzene - BS	EPA-8260	118			75	138	06/18/2018	DLC
Benzene - BSD	EPA-8260	114	4		75	138	06/18/2018	DLC
Trichloroethene - BS	EPA-8260	117			75	136	06/18/2018	DLC
Trichloroethene - BSD	EPA-8260	113	3		75	136	06/18/2018	DLC
1,2-Dichloropropane - BS	EPA-8260	139			50	150	06/18/2018	DLC
1,2-Dichloropropane - BSD	EPA-8260	134	3		50	150	06/18/2018	DLC
Dibromomethane - BS	EPA-8260	114			50	150	06/18/2018	DLC
Dibromomethane - BSD	EPA-8260	111	3		50	150	06/18/2018	DLC
Bromodichloromethane - BS	EPA-8260	139			50	150	06/18/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: Bellevue South 04218014.00

DATE: 6/18/2018  
 ALS SDG#: EV18060102  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Bromodichloromethane - BSD	EPA-8260	136	2		50	150	06/18/2018	DLC
Trans-1,3-Dichloropropene - BS	EPA-8260	116			50	150	06/18/2018	DLC
Trans-1,3-Dichloropropene - BSD	EPA-8260	111	5		50	150	06/18/2018	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	128			50	150	06/18/2018	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	122	5		50	150	06/18/2018	DLC
Toluene - BS	EPA-8260	114			71.6	122.1	06/18/2018	DLC
Toluene - BSD	EPA-8260	112	2		71.6	122.1	06/18/2018	DLC
Cis-1,3-Dichloropropene - BS	EPA-8260	129			50	150	06/18/2018	DLC
Cis-1,3-Dichloropropene - BSD	EPA-8260	125	3		50	150	06/18/2018	DLC
1,1,2-Trichloroethane - BS	EPA-8260	91.6			50	150	06/18/2018	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	88.7	3		50	150	06/18/2018	DLC
2-Hexanone - BS	EPA-8260	105			50	150	06/18/2018	DLC
2-Hexanone - BSD	EPA-8260	90.9	15		50	150	06/18/2018	DLC
1,3-Dichloropropane - BS	EPA-8260	96.6			50	150	06/18/2018	DLC
1,3-Dichloropropane - BSD	EPA-8260	94.0	3		50	150	06/18/2018	DLC
Tetrachloroethylene - BS	EPA-8260	117			50	150	06/18/2018	DLC
Tetrachloroethylene - BSD	EPA-8260	112	4		50	150	06/18/2018	DLC
Dibromochloromethane - BS	EPA-8260	92.9			50	150	06/18/2018	DLC
Dibromochloromethane - BSD	EPA-8260	89.6	4		50	150	06/18/2018	DLC
1,2-Dibromoethane - BS	EPA-8260	89.8			50	150	06/18/2018	DLC
1,2-Dibromoethane - BSD	EPA-8260	86.9	3		50	150	06/18/2018	DLC
Chlorobenzene - BS	EPA-8260	100			79	128	06/18/2018	DLC
Chlorobenzene - BSD	EPA-8260	96.6	4		79	128	06/18/2018	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	93.1			50	150	06/18/2018	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	88.9	5		50	150	06/18/2018	DLC
Ethylbenzene - BS	EPA-8260	100			50	150	06/18/2018	DLC
Ethylbenzene - BSD	EPA-8260	95.0	5		50	150	06/18/2018	DLC
m,p-Xylene - BS	EPA-8260	96.3			50	150	06/18/2018	DLC
m,p-Xylene - BSD	EPA-8260	91.0	6		50	150	06/18/2018	DLC
Styrene - BS	EPA-8260	103			50	150	06/18/2018	DLC
Styrene - BSD	EPA-8260	97.0	5		50	150	06/18/2018	DLC
Bromoform - BS	EPA-8260	102			50	150	06/18/2018	DLC
Bromoform - BSD	EPA-8260	99.2	3		50	150	06/18/2018	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	96.0			50	150	06/18/2018	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	94.9	1		50	150	06/18/2018	DLC
1,2,3-Trichloropropane - BS	EPA-8260	96.2			50	150	06/18/2018	DLC
1,2,3-Trichloropropane - BSD	EPA-8260	93.6	3		50	150	06/18/2018	DLC
Bromobenzene - BS	EPA-8260	92.7			50	150	06/18/2018	DLC
Bromobenzene - BSD	EPA-8260	88.3	5		50	150	06/18/2018	DLC
2-Chlorotoluene - BS	EPA-8260	104			50	150	06/18/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: Bellevue South 04218014.00

DATE: 6/18/2018  
 ALS SDG#: EV18060102  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
2-Chlorotoluene - BSD	EPA-8260	98.1	6		50	150	06/18/2018	DLC
4-Chlorotoluene - BS	EPA-8260	107			50	150	06/18/2018	DLC
4-Chlorotoluene - BSD	EPA-8260	101	5		50	150	06/18/2018	DLC
T-Butyl Benzene - BS	EPA-8260	93.9			50	150	06/18/2018	DLC
T-Butyl Benzene - BSD	EPA-8260	90.3	4		50	150	06/18/2018	DLC
1,3-Dichlorobenzene - BS	EPA-8260	94.7			50	150	06/18/2018	DLC
1,3-Dichlorobenzene - BSD	EPA-8260	90.9	4		50	150	06/18/2018	DLC
1,4-Dichlorobenzene - BS	EPA-8260	99.0			50	150	06/18/2018	DLC
1,4-Dichlorobenzene - BSD	EPA-8260	94.1	5		50	150	06/18/2018	DLC
1,2-Dichlorobenzene - BS	EPA-8260	93.7			50	150	06/18/2018	DLC
1,2-Dichlorobenzene - BSD	EPA-8260	89.9	4		50	150	06/18/2018	DLC
1,2-Dibromo 3-Chloropropane - BS	EPA-8260	104			50	150	06/18/2018	DLC
1,2-Dibromo 3-Chloropropane - BSD	EPA-8260	101	3		50	150	06/18/2018	DLC
1,2,4-Trichlorobenzene - BS	EPA-8260	103			50	150	06/18/2018	DLC
1,2,4-Trichlorobenzene - BSD	EPA-8260	98.9	4		50	150	06/18/2018	DLC
Hexachlorobutadiene - BS	EPA-8260	87.8			50	150	06/18/2018	DLC
Hexachlorobutadiene - BSD	EPA-8260	85.0	3		50	150	06/18/2018	DLC
Naphthalene - BS	EPA-8260	102			50	150	06/18/2018	DLC
Naphthalene - BSD	EPA-8260	101	2		50	150	06/18/2018	DLC
1,2,3-Trichlorobenzene - BS	EPA-8260	103			50	150	06/18/2018	DLC
1,2,3-Trichlorobenzene - BSD	EPA-8260	100	3		50	150	06/18/2018	DLC

**ALS Test Batch ID: 129528 - Soil by EPA-8082**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
PCB-1016 - BS	EPA-8082	67.1			50	150	06/18/2018	PAB
PCB-1016 - BSD	EPA-8082	76.7	13		50	150	06/18/2018	PAB
PCB-1260 - BS	EPA-8082	72.6			50	150	06/18/2018	PAB
PCB-1260 - BSD	EPA-8082	82.2	12		50	150	06/18/2018	PAB

**ALS Test Batch ID: R318196 - Soil by EPA-7471**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	99.0			81.8	117	06/18/2018	RAL
Mercury - BSD	EPA-7471	97.0	2		81.8	117	06/18/2018	RAL

**ALS Test Batch ID: 129499 - Soil by EPA-6020**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BS	EPA-6020	98.7			80	120	06/18/2018	RAL

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b> 6/18/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS SDG#:</b> EV18060102
<b>CLIENT PROJECT:</b>	Bellevue South 04218014.00	<b>WDOE ACCREDITATION:</b> C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BSD	EPA-6020	94.4	5		80	120	06/18/2018	RAL
Cadmium - BS	EPA-6020	97.9			80	120	06/18/2018	RAL
Cadmium - BSD	EPA-6020	94.8	3		80	120	06/18/2018	RAL
Chromium - BS	EPA-6020	100			80	120	06/18/2018	RAL
Chromium - BSD	EPA-6020	97.0	3		80	120	06/18/2018	RAL
Lead - BS	EPA-6020	97.6			80	120	06/18/2018	RAL
Lead - BSD	EPA-6020	94.7	3		80	120	06/18/2018	RAL

APPROVED BY



Laboratory Director





**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV18060102

Date 6-15-18 Page 1 Of 1

PROJECT ID: <u>Belleve South 04218014.00</u>					ANALYSIS REQUESTED												OTHER (Specify)															
REPORT TO COMPANY: <u>SCS Engineers</u>																																
PROJECT MANAGER: <u>Brian Doan</u>																																
ADDRESS: <u>2405 140<sup>th</sup> Ave NE #107</u> <u>Belleve, WA 98005</u>																																
PHONE: <u>425-766-2487</u> P.O. #:																																
E-MAIL: <u>BDoan@SCSEngineers.com</u>																																
INVOICE TO COMPANY: <u>Same</u>																																
ATTENTION:																																
ADDRESS:																																
SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021	MTBE by EPA 8021	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082	Pesticides by EPA 8081	Metals-MTCA-5	RCRA-8	Pri Pol	TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs	1 Day TAT	Standard TAT	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?	
1. MFS1 C Vault 9'	6-14-18	1150	Soil	1		X	X	X																						4		
2. MFS1 N Vault 9'		1220		2		X	X	X																						4		
3. MFS1 Vault SPA		1250		3		X	X	X			X					X	X													4		
4. MFS1 SPB		1310		4		X	X	X								X	X													1		
5.																																
6.																																
7.																																
8.																																
9.																																
10.																																

SPECIAL INSTRUCTIONS

(X) Added by Brian

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Brian Doan SCS 6-15-2018 11:45  
 Received By: Sgt. Suber AFS 15 June 2018 11:45  
 2. Relinquished By: \_\_\_\_\_  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*

Organic, Metals & Inorganic Analysis  
 10 Standard  5  3  2  1  SAME DAY  
 Fuels & Hydrocarbon Analysis  
 5 Standard  3  SAME DAY

OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

samples #3+4

\*Turnaround request less than standard may incur Rush Charges



July 9, 2018

Mr. Brian Doan  
SCS Engineers  
2405 140th Ave. NE, Suite 107  
Bellevue, WA 98005

Dear Mr. Doan,

On July 5th, 4 samples were received by our laboratory and assigned our laboratory project number EV18070017. The project was identified as your 04218014.00 Bellevue South. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	7/9/2018
CLIENT CONTACT:	Brian Doan	ALS JOB#:	EV18070017
CLIENT PROJECT:	04218014.00 Bellevue South	ALS SAMPLE#:	EV18070017-01
CLIENT SAMPLE ID	E. Slab Soil 1	DATE RECEIVED:	07/05/2018
		COLLECTION DATE:	7/5/2018 9:00:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Mineral Spirits	NWTPH-GX	3.2	3.0	1	MG/KG	07/06/2018	JMK
Benzene	EPA-8021	U	0.030	1	MG/KG	07/06/2018	JMK
Toluene	EPA-8021	U	0.050	1	MG/KG	07/06/2018	JMK
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/06/2018	JMK
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/06/2018	JMK
TPH-Diesel Range	NWTPH-DX	180	25	1	MG/KG	07/07/2018	GAP
TPH-Oil Range	NWTPH-DX	330	50	1	MG/KG	07/07/2018	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	81.4	07/06/2018	JMK
TFT	EPA-8021	69.9	07/06/2018	JMK
C25	NWTPH-DX	83.9	07/07/2018	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains mineral spirits and light oil.  
 Chromatogram indicates that it is likely that sample contains mineral spirits and lube oil.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/9/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070017
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070017-02
<b>CLIENT SAMPLE ID</b>	E. Slab Soil 2	<b>DATE RECEIVED:</b>	07/05/2018
		<b>COLLECTION DATE:</b>	7/5/2018 9:10:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	<b>1700</b>	300	100	MG/KG	07/07/2018	JMK
Benzene	EPA-8021	U	0.30	10	MG/KG	07/06/2018	JMK
Toluene	EPA-8021	U	0.50	10	MG/KG	07/06/2018	JMK
Ethylbenzene	EPA-8021	<b>1.8</b>	0.50	10	MG/KG	07/06/2018	JMK
Xylenes	EPA-8021	<b>6.1</b>	2.0	10	MG/KG	07/06/2018	JMK
TPH-Diesel Range	NWTPH-DX	<b>570</b>	25	1	MG/KG	07/07/2018	GAP
TPH-Oil Range	NWTPH-DX	<b>600</b>	50	1	MG/KG	07/07/2018	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 100X Dilution	NWTPH-GX	<b>0 SUR07</b>	07/07/2018	JMK
TFT 10X Dilution	EPA-8021	<b>97.5</b>	07/06/2018	JMK
C25	NWTPH-DX	<b>100</b>	07/07/2018	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 SUR07 -The surrogate recoveries could not be determined due to dilution below the calibration range.  
 Chromatogram indicates that it is likely that sample contains mineral spirits and light oil.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/9/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070017
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070017-03
<b>CLIENT SAMPLE ID</b>	E. Slab Soil 3	<b>DATE RECEIVED:</b>	07/05/2018
		<b>COLLECTION DATE:</b>	7/5/2018 9:20:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	<b>86</b>	30	10	MG/KG	07/09/2018	JMK
Benzene	EPA-8021	U	0.030	1	MG/KG	07/07/2018	JMK
Toluene	EPA-8021	U	0.050	1	MG/KG	07/07/2018	JMK
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/07/2018	JMK
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/07/2018	JMK
TPH-Diesel Range	NWTPH-DX	<b>210</b>	25	1	MG/KG	07/07/2018	GAP
TPH-Oil Range	NWTPH-DX	<b>210</b>	50	1	MG/KG	07/07/2018	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 10X Dilution	NWTPH-GX	<b>129</b>	07/09/2018	JMK
TFT	EPA-8021	<b>82.4</b>	07/07/2018	JMK
C25	NWTPH-DX	<b>105</b>	07/07/2018	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains mineral spirits, weathered diesel and light oil.  
 Diesel range product results biased high due to oil range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/9/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070017
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070017-04
<b>CLIENT SAMPLE ID</b>	E. Baker In	<b>DATE RECEIVED:</b>	07/05/2018
		<b>COLLECTION DATE:</b>	7/5/2018 8:10:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Diesel Range	NWTPH-DX w/ SGA	U	130	1	UG/L	07/07/2018	GAP
TPH-Oil Range	NWTPH-DX w/ SGA	U	250	1	UG/L	07/07/2018	GAP
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	07/06/2018	DLC
Benzene	EPA-8260	U	2.0	1	UG/L	07/06/2018	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	07/06/2018	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	07/06/2018	DLC
m,p-Xylene	EPA-8260	U	4.0	1	UG/L	07/06/2018	DLC
o-Xylene	EPA-8260	U	2.0	1	UG/L	07/06/2018	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	07/06/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	07/06/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	07/06/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	07/06/2018	DLC
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/06/2018	PAB

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
C25	NWTPH-DX w/ SGA	<b>99.4</b>	07/07/2018	GAP
1,2-Dichloroethane-d4	EPA-8260	<b>105</b>	07/06/2018	DLC
Toluene-d8	EPA-8260	<b>100</b>	07/06/2018	DLC
Terphenyl-d14	EPA-8270 SIM	<b>102</b>	07/06/2018	PAB

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

DATE: 7/9/2018  
 ALS SDG#: EV18070017  
 WDOE ACCREDITATION: C601

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South

**LABORATORY BLANK RESULTS**

**MBG-070618S - Batch 130228 - Soil by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Mineral Spirits	NWTPH-GX	U	MG/KG	3.0	07/06/2018	JMK
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	07/06/2018	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-070618S - Batch 130228 - Soil by EPA-8021**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Benzene	EPA-8021	U	MG/KG	0.030	07/06/2018	JMK
Toluene	EPA-8021	U	MG/KG	0.050	07/06/2018	JMK
Ethylbenzene	EPA-8021	U	MG/KG	0.050	07/06/2018	JMK
Xylenes	EPA-8021	U	MG/KG	0.20	07/06/2018	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-070618S - Batch 130200 - Soil by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	07/07/2018	GAP
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	07/07/2018	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-070618W - Batch 130192 - Water by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	UG/L	130	07/06/2018	GAP
TPH-Oil Range	NWTPH-DX	U	UG/L	250	07/06/2018	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-070618W - Batch 130211 - Water by EPA-8260**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	07/06/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	07/06/2018	DLC
Benzene	EPA-8260	U	UG/L	2.0	07/06/2018	DLC
Toluene	EPA-8260	U	UG/L	2.0	07/06/2018	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	07/06/2018	DLC
m,p-Xylene	EPA-8260	U	UG/L	4.0	07/06/2018	DLC
o-Xylene	EPA-8260	U	UG/L	2.0	07/06/2018	DLC
N-Propyl Benzene	EPA-8260	U	UG/L	2.0	07/06/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE: 7/9/2018 ALS SDG#: EV18070017 WDOE ACCREDITATION: C601
CLIENT CONTACT:	Brian Doan	
CLIENT PROJECT:	04218014.00 Bellevue South	

**LABORATORY BLANK RESULTS**

**MB-070618W - Batch 130211 - Water by EPA-8260**

1,3,5-Trimethylbenzene	EPA-8260	U	UG/L	2.0	07/06/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/L	2.0	07/06/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	UG/L	2.0	07/06/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-070518W - Batch 130160 - Water by EPA-8270 SIM**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/L	0.020	07/06/2018	PAB
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/L	0.020	07/06/2018	PAB

U - Analyte analyzed for but not detected at level above reporting limit.





**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South

DATE: 7/9/2018  
 ALS SDG#: EV18070017  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 130228 - Soil by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	103			66.5	122.7	07/06/2018	JMK
TPH-Volatile Range - BSD	NWTPH-GX	101	2		66.5	122.7	07/06/2018	JMK

**ALS Test Batch ID: 130228 - Soil by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzene - BS	EPA-8021	91.7			67.7	124	07/06/2018	JMK
Benzene - BSD	EPA-8021	91.7	0		67.7	124	07/06/2018	JMK
Toluene - BS	EPA-8021	95.0			71	123	07/06/2018	JMK
Toluene - BSD	EPA-8021	94.4	1		71	123	07/06/2018	JMK
Ethylbenzene - BS	EPA-8021	96.8			69.8	117	07/06/2018	JMK
Ethylbenzene - BSD	EPA-8021	96.2	1		69.8	117	07/06/2018	JMK
Xylenes - BS	EPA-8021	97.2			70	119	07/06/2018	JMK
Xylenes - BSD	EPA-8021	97.9	1		70	119	07/06/2018	JMK

**ALS Test Batch ID: 130200 - Soil by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	91.8			75.5	122.1	07/07/2018	GAP
TPH-Diesel Range - BSD	NWTPH-DX	94.2	3		75.5	122.1	07/07/2018	GAP

**ALS Test Batch ID: 130192 - Water by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	86.4			67	125.2	07/06/2018	GAP
TPH-Diesel Range - BSD	NWTPH-DX	91.5	6		67	125.2	07/06/2018	GAP

**ALS Test Batch ID: 130211 - Water by EPA-8260**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,1-Dichloroethene - BS	EPA-8260	80.1			72.5	136	07/06/2018	DLC
1,1-Dichloroethene - BSD	EPA-8260	87.9	9		72.5	136	07/06/2018	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	86.2			50	150	07/06/2018	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	96.3	11		50	150	07/06/2018	DLC
Benzene - BS	EPA-8260	99.6			74.7	143	07/06/2018	DLC
Benzene - BSD	EPA-8260	109	9		74.7	143	07/06/2018	DLC
Toluene - BS	EPA-8260	85.1			71.7	139	07/06/2018	DLC
Toluene - BSD	EPA-8260	93.8	10		71.7	139	07/06/2018	DLC
Ethylbenzene - BS	EPA-8260	81.5			50	150	07/06/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South

DATE: 7/9/2018  
 ALS SDG#: EV18070017  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Ethylbenzene - BSD	EPA-8260	90.3	10		50	150	07/06/2018	DLC
m,p-Xylene - BS	EPA-8260	81.8			50	150	07/06/2018	DLC
m,p-Xylene - BSD	EPA-8260	90.5	10		50	150	07/06/2018	DLC
o-Xylene - BS	EPA-8260	82.0			50	150	07/06/2018	DLC
o-Xylene - BSD	EPA-8260	91.2	11		50	150	07/06/2018	DLC
N-Propyl Benzene - BS	EPA-8260	88.4			50	150	07/06/2018	DLC
N-Propyl Benzene - BSD	EPA-8260	101	13		50	150	07/06/2018	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	83.0			50	150	07/06/2018	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	94.4	13		50	150	07/06/2018	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	81.3			50	150	07/06/2018	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	92.6	13		50	150	07/06/2018	DLC
1,2-Dichlorobenzene - BS	EPA-8260	84.1			50	150	07/06/2018	DLC
1,2-Dichlorobenzene - BSD	EPA-8260	97.3	15		50	150	07/06/2018	DLC

**ALS Test Batch ID: 130160 - Water by EPA-8270 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	57.1			36	118	07/06/2018	PAB
Naphthalene - BSD	EPA-8270 SIM	46.7	20		36	118	07/06/2018	PAB
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	74.5			43	140	07/06/2018	PAB
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	68.2	9		43	140	07/06/2018	PAB

APPROVED BY

Laboratory Director





July 11, 2018

Mr. Brian Doan  
SCS Engineers  
2405 140th Ave. NE, Suite 107  
Bellevue, WA 98005

Dear Mr. Doan,

On July 10th, 4 samples were received by our laboratory and assigned our laboratory project number EV18070039. The project was identified as your 04218014.00 Bellevue South. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director

**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	7/11/2018
		ALS JOB#:	EV18070039
CLIENT CONTACT:	Brian Doan	ALS SAMPLE#:	EV18070039-01
CLIENT PROJECT:	04218014.00 Bellevue South	DATE RECEIVED:	07/10/2018
CLIENT SAMPLE ID	SE Characterize	COLLECTION DATE:	7/9/2018 12:00:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Mineral Spirits	NWTPH-GX	90	30	10	MG/KG	07/10/2018	JMK
TPH-Diesel Range	NWTPH-DX	260	25	1	MG/KG	07/10/2018	GAP
TPH-Oil Range	NWTPH-DX	120	50	1	MG/KG	07/10/2018	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 10X Dilution	NWTPH-GX	99.7	07/10/2018	JMK
C25	NWTPH-DX	77.8	07/10/2018	GAP

Chromatogram indicates that it is likely that sample contains mineral spirits, weathered diesel and lube oil.  
Diesel range product results biased high due to oil range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/11/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070039
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070039-02
<b>CLIENT SAMPLE ID</b>	R4-1'	<b>DATE RECEIVED:</b>	07/10/2018
		<b>COLLECTION DATE:</b>	7/9/2018 12:15:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	07/10/2018	JMK
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/10/2018	GAP
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/10/2018	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	116	07/10/2018	JMK
C25	NWTPH-DX	76.4	07/10/2018	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: SCS Engineers DATE: 7/11/2018  
2405 140th Ave. NE, Suite 107 ALS JOB#: EV18070039  
Bellevue, WA 98005 ALS SAMPLE#: EV18070039-03  
CLIENT CONTACT: Brian Doan DATE RECEIVED: 07/10/2018  
CLIENT PROJECT: 04218014.00 Bellevue South COLLECTION DATE: 7/9/2018 12:25:00 PM  
CLIENT SAMPLE ID R7-0.5' WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/10/2018	GAP
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/10/2018	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
C25	NWTPH-DX	58.6	07/10/2018	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/11/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070039
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070039-04
<b>CLIENT SAMPLE ID</b>	SE Trench Dr Characterize	<b>DATE RECEIVED:</b>	07/10/2018
		<b>COLLECTION DATE:</b>	7/9/2018 4:10:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	<b>77</b>	30	10	MG/KG	07/10/2018	JMK
TPH-Diesel Range	NWTPH-DX	<b>100</b>	25	1	MG/KG	07/11/2018	GAP
TPH-Oil Range	NWTPH-DX	<b>70</b>	50	1	MG/KG	07/11/2018	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 10X Dilution	NWTPH-GX	<b>123</b>	07/10/2018	JMK
C25	NWTPH-DX	<b>83.6</b>	07/11/2018	GAP

Chromatogram indicates that it is likely that sample contains mineral spirits, weathered diesel and lube oil.  
Diesel range product results biased high due to oil range product overlap.





CERTIFICATE OF ANALYSIS

CLIENT: SCS Engineers
2405 140th Ave. NE, Suite 107
Bellevue, WA 98005

DATE: 7/11/2018
ALS SDG#: EV18070039
WDOE ACCREDITATION: C601

CLIENT CONTACT: Brian Doan
CLIENT PROJECT: 04218014.00 Bellevue South

LABORATORY BLANK RESULTS

MBG-071018S - Batch 130286 - Soil by NWTPH-GX

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Mineral Spirits and TPH-Volatile Range.

U - Analyte analyzed for but not detected at level above reporting limit.

MB-071018S2 - Batch 130300 - Soil by NWTPH-DX

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Diesel Range and TPH-Oil Range.

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	7/11/2018
CLIENT CONTACT:	Brian Doan	ALS SDG#:	EV18070039
CLIENT PROJECT:	04218014.00 Bellevue South	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 130286 - Soil by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	105			66.5	122.7	07/10/2018	JMK
TPH-Volatile Range - BSD	NWTPH-GX	102	3		66.5	122.7	07/10/2018	JMK

**ALS Test Batch ID: 130300 - Soil by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	110			75.5	122.1	07/10/2018	GAP
TPH-Diesel Range - BSD	NWTPH-DX	101	9		75.5	122.1	07/10/2018	GAP

APPROVED BY



Laboratory Director



ALS Environmental  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV18070039

Date 7-10-2018 Page 1 Of 1

PROJECT ID: <u>04218014-00 Bellevue South</u>					ANALYSIS REQUESTED										OTHER (Specify)									
REPORT TO COMPANY: <u>SCS Engineers</u>					<input checked="" type="checkbox"/> NWTPH-DK <del>strong get cleanup bottles</del> <input type="checkbox"/> NWTPH-GX <u>mineral spirits</u> <input type="checkbox"/> BTEX by EPA 8021 <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> <input type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> <input type="checkbox"/> Halogenated Volatiles by EPA 8260 <input type="checkbox"/> Volatile Organic Compounds by EPA 8260 <input type="checkbox"/> EDB / EDC by EPA 8260 SIM (water) <input type="checkbox"/> EDB / EDC by EPA 8260 (soil) <input type="checkbox"/> Semivolatile Organic Compounds by EPA 8270 <input checked="" type="checkbox"/> <del>Not the same</del> Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM <input type="checkbox"/> PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pri Pol <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) <input type="checkbox"/> TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>										ADDRESS: <u>2405 140th Ave NE #107</u>					<input type="checkbox"/> NUMBER OF CONTAINERS <input type="checkbox"/> RECEIVED IN GOOD CONDITION?				
ADDRESS: <u>Bellevue WA 98005</u>																								
PHONE: <u>425-766-2487</u> P.O. #:																								
E-MAIL: <u>BDoan@SCSEngineers.com</u>																								
INVOICE TO COMPANY: <u>Same</u>																								
ATTENTION:																								
ADDRESS:																								
SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DK	NWTPH-GX	BTEX	MTBE	Halogenated	Volatile	EDB/EDC	EDB/EDC	Semivolatile	PAH	PCB	Metals-MTCA-5	Metals Other	TCLP-Metals	Metals	Herbs	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?	
1. <del>W. Baker In</del>	<del>7-9-18</del>	<del>1110</del>	<del>H2O</del>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>								5	
2. SE Characterize	7-9-18	1200	Soil	1		<input checked="" type="checkbox"/>																	2	
3. R4-1'		1215	↓	2		<input checked="" type="checkbox"/>																	2	
4. R7-0.5'		1225	↓	3		<input checked="" type="checkbox"/>																	1	
5. SE Trench Dr. Characterize	↓	1610	↓	4		<input checked="" type="checkbox"/>																	2	
6.																								
7.																								
8.																								
9.																								
10.																								

SPECIAL INSTRUCTIONS H2O sample specific VOCs + PAH per table emailed to Rick 4-2-2018  
Please report + invoice soil + H2O separately.

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: Brian Doan SCS 7-10-2018 0935  
 Received By: Steph Silver AJS 7/10/18 1030  
 2. Relinquished By: \_\_\_\_\_  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*  
 OTHER:  
 Organic, Metals & Inorganic Analysis  
 10 Standard  5  3  2  1  SAME DAY  
 Fuels & Hydrocarbon Analysis  
 5 Standard  3  SAME DAY  
 Specify: H2O - 5 day  
Soils - 1 day

\*Turnaround request less than standard may incur Rush Charges



July 12, 2018

Mr. Brian Doan  
SCS Engineers  
2405 140th Ave. NE, Suite 107  
Bellevue, WA 98005

Dear Mr. Doan,

On July 11th, 4 samples were received by our laboratory and assigned our laboratory project number EV18070053. The project was identified as your 04218014.00 Bellevue South. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director

**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	7/12/2018
		ALS JOB#:	EV18070053
CLIENT CONTACT:	Brian Doan	ALS SAMPLE#:	EV18070053-01
CLIENT PROJECT:	04218014.00 Bellevue South	DATE RECEIVED:	07/11/2018
CLIENT SAMPLE ID	P4 Trench Dr - 2.5'	COLLECTION DATE:	7/10/2018 11:50:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	07/11/2018	JMK
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/11/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/11/2018	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	90.5	07/11/2018	JMK
C25	NWTPH-DX	77.2	07/11/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/12/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070053
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070053-02
<b>CLIENT SAMPLE ID</b>	P8 Trench Dr - 2.5'	<b>DATE RECEIVED:</b>	07/11/2018
		<b>COLLECTION DATE:</b>	7/10/2018 12:00:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	12	3.0	1	MG/KG	07/12/2018	JMK
TPH-Diesel Range	NWTPH-DX	26	25	1	MG/KG	07/11/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/11/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	107	07/12/2018	JMK
C25	NWTPH-DX	78.1	07/11/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains mineral spirits and weathered diesel.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/12/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070053
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070053-03
<b>CLIENT SAMPLE ID</b>	R7-1'	<b>DATE RECEIVED:</b>	07/11/2018
		<b>COLLECTION DATE:</b>	7/10/2018 1:15:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	07/11/2018	JMK

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	110	07/11/2018	JMK

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/12/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070053
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070053-04
<b>CLIENT SAMPLE ID</b>	R10-1'	<b>DATE RECEIVED:</b>	07/11/2018
		<b>COLLECTION DATE:</b>	7/10/2018 2:35:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	07/11/2018	JMK
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/12/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/12/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	108	07/11/2018	JMK
C25	NWTPH-DX	73.3	07/12/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.





CERTIFICATE OF ANALYSIS

CLIENT: SCS Engineers DATE: 7/12/2018
2405 140th Ave. NE, Suite 107 ALS SDG#: EV18070053
Bellevue, WA 98005 WDOE ACCREDITATION: C601
CLIENT CONTACT: Brian Doan
CLIENT PROJECT: 04218014.00 Bellevue South

LABORATORY BLANK RESULTS

MBG-071118S - Batch 130335 - Soil by NWTPH-GX

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Mineral Spirits and TPH-Volatile Range.

U - Analyte analyzed for but not detected at level above reporting limit.

MB-071118S - Batch 130347 - Soil by NWTPH-DX

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Diesel Range and TPH-Oil Range.

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	7/12/2018
CLIENT CONTACT:	Brian Doan	ALS SDG#:	EV18070053
CLIENT PROJECT:	04218014.00 Bellevue South	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 130335 - Soil by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	106			66.5	122.7	07/11/2018	JMK
TPH-Volatile Range - BSD	NWTPH-GX	101	4		66.5	122.7	07/11/2018	JMK

**ALS Test Batch ID: 130347 - Soil by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	111			75.5	122.1	07/11/2018	EBS
TPH-Diesel Range - BSD	NWTPH-DX	93.0	17		75.5	122.1	07/11/2018	EBS

APPROVED BY



Laboratory Director



ALS Environmental  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV18076053

Date 7-11-2018 Page 1 Of 1

PROJECT ID: 04218014.00 Bellevue South	<b>ANALYSIS REQUESTED</b> <input type="checkbox"/> NWTPH-HCID <input type="checkbox"/> NWTPH-DX <input checked="" type="checkbox"/> NWTPH-GX Mineral Spirits <input type="checkbox"/> BTEX by EPA 8021 <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 <input type="checkbox"/> Volatile Organic Compounds by EPA 8260 <input type="checkbox"/> EDB / EDC by EPA 8260 SIM (water) <input type="checkbox"/> EDB / EDC by EPA 8260 (soil) <input type="checkbox"/> Semivolatile Organic Compounds by EPA 8270 <input type="checkbox"/> Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM <input type="checkbox"/> PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-6 <input type="checkbox"/> P1/Po <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) <input type="checkbox"/> TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs	<b>OTHER (Specify)</b>           
REPORT TO COMPANY: SCS Engineers		
PROJECT MANAGER: Brian Doan		
ADDRESS: 2405 140th Ave NE #107 Bellevue, WA 98005		
PHONE: 425-766-2487 P.O. #:		
E-MAIL: BDoan@SCSEngineers.com		
INVOICE TO COMPANY: Same		
ATTENTION:		
ADDRESS:		

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021	BTEX by EPA 8260	MTBE by EPA 8021	MTBE by EPA 8260	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082	Pesticides by EPA 8081	Metals-MTCA-5	RCRA-6	P1/Po	TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?				
1. P4 Trench Dr-2.5'	7-10-18	1150	soil	1			X	X																							2				
2. P8 Trench Dr-2.5'	↓	1200	↓	2			X	X																								↓			
3. R7-1'	↓	1315	↓	3			X	X																											
4. R10-1'	↓	1435	↓	4			X	X																											
5.																																			
6.																																			
7.																																			
8.																																			
9.																																			
10.																																			

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Brian Doan SCS 7-11-2018 0716  
 Received By: SCS Suben AJS 7/11/18 1155

2. Relinquished By: \_\_\_\_\_  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*

Organic, Metals & Inorganic Analysis

10 5 3 2 1 SAME DAY

Fuels & Hydrocarbon Analysis

5 3 X SAME DAY

OTHER: Specify: \_\_\_\_\_

\*Turnaround request less than standard may incur Rush Charges



July 23, 2018

Mr. Brian Doan  
SCS Engineers  
2405 140th Ave. NE, Suite 107  
Bellevue, WA 98005

Dear Mr. Doan,

On July 12th, 10 samples were received by our laboratory and assigned our laboratory project number EV18070059. The project was identified as your 04218014.00 Bellevue South. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/23/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070059
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070059-01
<b>CLIENT SAMPLE ID</b>	N5-5'	<b>DATE RECEIVED:</b>	07/12/2018
		<b>COLLECTION DATE:</b>	7/11/2018 11:40:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	15	3.0	1	MG/KG	07/12/2018	JMK
TPH-Diesel Range	NWTPH-DX	43	25	1	MG/KG	07/13/2018	EBS
TPH-Oil Range	NWTPH-DX	67	50	1	MG/KG	07/13/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	95.2	07/12/2018	JMK
C25	NWTPH-DX	86.7	07/13/2018	EBS

Chromatogram indicates that it is likely that sample contains mineral spirits and light oil/lube oil.



**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	7/23/2018
CLIENT CONTACT:	Brian Doan	ALS JOB#:	EV18070059
CLIENT PROJECT:	04218014.00 Bellevue South	ALS SAMPLE#:	EV18070059-02
CLIENT SAMPLE ID	N4-7'	DATE RECEIVED:	07/12/2018
		COLLECTION DATE:	7/11/2018 11:50:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	07/13/2018	JMK
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/13/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/13/2018	EBS
Naphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
2-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
1-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Acenaphthylene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Acenaphthene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Fluorene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Phenanthrene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
Mercury	EPA-7471	U	0.020	1	MG/KG	07/20/2018	GAP
Arsenic	EPA-6020	U	0.20	1	MG/KG	07/19/2018	GAP
Cadmium	EPA-6020	U	0.10	1	MG/KG	07/19/2018	GAP
Chromium	EPA-6020	1.8	0.10	1	MG/KG	07/19/2018	GAP
Lead	EPA-6020	0.17	0.10	1	MG/KG	07/19/2018	GAP
Nickel	EPA-6020	2.0	0.10	1	MG/KG	07/19/2018	GAP
Zinc	EPA-6020	1.6	0.50	1	MG/KG	07/19/2018	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
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CERTIFICATE OF ANALYSIS

CLIENT: SCS Engineers DATE: 7/23/2018  
2405 140th Ave. NE, Suite 107 ALS JOB#: EV18070059  
Bellevue, WA 98005 ALS SAMPLE#: EV18070059-02  
CLIENT CONTACT: Brian Doan DATE RECEIVED: 07/12/2018  
CLIENT PROJECT: 04218014.00 Bellevue South COLLECTION DATE: 7/11/2018 11:50:00 AM  
CLIENT SAMPLE ID N4-7' WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	95.5	07/13/2018	JMK
C25	NWTPH-DX	77.1	07/13/2018	EBS
Terphenyl-d14	EPA-8270 SIM	127	07/20/2018	PAB
TCMX	EPA-8082	78.7	07/20/2018	PAB
DCB	EPA-8082	77.3	07/20/2018	PAB

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	7/23/2018
CLIENT CONTACT:	Brian Doan	ALS JOB#:	EV18070059
CLIENT PROJECT:	04218014.00 Bellevue South	ALS SAMPLE#:	EV18070059-03
CLIENT SAMPLE ID	Q17-5'	DATE RECEIVED:	07/12/2018
		COLLECTION DATE:	7/11/2018 1:25:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	07/12/2018	JMK
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/13/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/13/2018	EBS
Naphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
2-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
1-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Acenaphthylene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Acenaphthene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Fluorene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Phenanthrene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
Mercury	EPA-7471	U	0.020	1	MG/KG	07/20/2018	GAP
Arsenic	EPA-6020	U	0.20	1	MG/KG	07/19/2018	GAP
Cadmium	EPA-6020	U	0.10	1	MG/KG	07/19/2018	GAP
Chromium	EPA-6020	2.1	0.10	1	MG/KG	07/19/2018	GAP
Lead	EPA-6020	0.16	0.10	1	MG/KG	07/19/2018	GAP
Nickel	EPA-6020	2.7	0.10	1	MG/KG	07/19/2018	GAP
Zinc	EPA-6020	2.1	0.50	1	MG/KG	07/19/2018	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
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**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/23/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070059
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070059-03
<b>CLIENT SAMPLE ID</b>	Q17-5'	<b>DATE RECEIVED:</b>	07/12/2018
		<b>COLLECTION DATE:</b>	7/11/2018 1:25:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS ANALYSIS</b>	
			<b>DATE</b>	<b>BY</b>
TFT	NWTPH-GX	<b>76.9</b>	07/12/2018	JMK
C25	NWTPH-DX	<b>91.2</b>	07/13/2018	EBS
Terphenyl-d14	EPA-8270 SIM	<b>99.1</b>	07/20/2018	PAB
TCMX	EPA-8082	<b>87.4</b>	07/20/2018	PAB
DCB	EPA-8082	<b>82.6</b>	07/20/2018	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/23/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070059
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070059-04
<b>CLIENT SAMPLE ID</b>	R16-8'	<b>DATE RECEIVED:</b>	07/12/2018
		<b>COLLECTION DATE:</b>	7/11/2018 1:40:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	6.3	3.0	1	MG/KG	07/12/2018	JMK
TPH-Diesel Range	NWTPH-DX	230	25	1	MG/KG	07/13/2018	EBS
TPH-Oil Range	NWTPH-DX	380	50	1	MG/KG	07/13/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	97.8	07/12/2018	JMK
C25	NWTPH-DX	93.3	07/13/2018	EBS

Chromatogram indicates that it is likely that sample contains mineral spirits and light oil/lube oil.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/23/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070059
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070059-05
<b>CLIENT SAMPLE ID</b>	O16P17-5'	<b>DATE RECEIVED:</b>	07/12/2018
		<b>COLLECTION DATE:</b>	7/11/2018 1:50:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	07/13/2018	JMK
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/13/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/13/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	77.1	07/13/2018	JMK
C25	NWTPH-DX	83.6	07/13/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/23/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070059
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070059-06
<b>CLIENT SAMPLE ID</b>	N15 Trench Dr-3'	<b>DATE RECEIVED:</b>	07/12/2018
		<b>COLLECTION DATE:</b>	7/11/2018 2:45:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	07/12/2018	JMK
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/13/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/13/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	88.1	07/12/2018	JMK
C25	NWTPH-DX	94.6	07/13/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/23/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070059
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070059-07
<b>CLIENT SAMPLE ID</b>	P11 Trench Dr-3'	<b>DATE RECEIVED:</b>	07/12/2018
		<b>COLLECTION DATE:</b>	7/11/2018 2:50:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	07/13/2018	JMK
TPH-Diesel Range	NWTPH-DX	28	25	1	MG/KG	07/13/2018	EBS
TPH-Oil Range	NWTPH-DX	56	50	1	MG/KG	07/13/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	75.2	07/13/2018	JMK
C25	NWTPH-DX	85.0	07/13/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains light oil/lube oil.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/23/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070059
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070059-08
<b>CLIENT SAMPLE ID</b>	P14-1'	<b>DATE RECEIVED:</b>	07/12/2018
		<b>COLLECTION DATE:</b>	7/11/2018 3:00:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	<b>200</b>	120	40	MG/KG	07/13/2018	JMK
TPH-Diesel Range	NWTPH-DX	<b>500</b>	50	2	MG/KG	07/13/2018	EBS
TPH-Oil Range	NWTPH-DX	<b>530</b>	100	2	MG/KG	07/13/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 40X Dilution	NWTPH-GX	<b>0 S</b>	07/13/2018	JMK
C25 2X Dilution	NWTPH-DX	<b>82.8</b>	07/13/2018	EBS

S - Outside of control limits.

Chromatogram indicates that it is likely that sample contains mineral spirits, weathered diesel and light oil/lube oil.

Diesel range product results biased high due to oil range product overlap.

Surrogate outside of control limits due to dilution.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/23/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070059
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070059-09
<b>CLIENT SAMPLE ID</b>	NE Stockpile	<b>DATE RECEIVED:</b>	07/12/2018
		<b>COLLECTION DATE:</b>	7/11/2018 5:30:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	32	6.0	2	MG/KG	07/13/2018	JMK
TPH-Diesel Range	NWTPH-DX	190	25	1	MG/KG	07/13/2018	EBS
TPH-Oil Range	NWTPH-DX	300	50	1	MG/KG	07/13/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 2X Dilution	NWTPH-GX	110	07/13/2018	JMK
C25	NWTPH-DX	91.5	07/13/2018	EBS

Chromatogram indicates that it is likely that sample contains mineral spirits and light oil/lube oil.



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

DATE: 7/23/2018  
 ALS SDG#: EV18070059  
 WDOE ACCREDITATION: C601

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South

**LABORATORY BLANK RESULTS**

**MBG-071218S - Batch 130380 - Soil by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Mineral Spirits	NWTPH-GX	U	MG/KG	3.0	07/12/2018	JMK
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	07/12/2018	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-071218S - Batch 130358 - Soil by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	07/12/2018	EBS
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	07/12/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-072018S - Batch 130663 - Soil by EPA-8270 SIM**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
2-Methylnaphthalene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
1-Methylnaphthalene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Acenaphthylene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Acenaphthene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Fluorene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Phenanthrene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Anthracene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Fluoranthene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Pyrene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Chrysene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-071918S - Batch 130669 - Soil by EPA-8082**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB





**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South

DATE: 7/23/2018  
 ALS SDG#: EV18070059  
 WDOE ACCREDITATION: C601

**LABORATORY BLANK RESULTS**

**MB-071918S - Batch 130669 - Soil by EPA-8082**

PCB	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB
PCB-1221	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB
PCB-1232	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB
PCB-1242	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB
PCB-1248	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB
PCB-1254	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB
PCB-1260	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB
PCB-1268	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MBLK-R320171 - Batch R320171 - Soil by EPA-7471**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	07/20/2018	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-071918S - Batch 130622 - Soil by EPA-6020**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	U	MG/KG	0.20	07/19/2018	GAP
Cadmium	EPA-6020	U	MG/KG	0.10	07/19/2018	GAP
Chromium	EPA-6020	U	MG/KG	0.10	07/19/2018	GAP
Lead	EPA-6020	U	MG/KG	0.10	07/19/2018	GAP
Nickel	EPA-6020	U	MG/KG	0.10	07/19/2018	GAP
Zinc	EPA-6020	U	MG/KG	0.50	07/19/2018	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South

DATE: 7/23/2018  
 ALS SDG#: EV18070059  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 130380 - Soil by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	110			66.5	122.7	07/12/2018	JMK
TPH-Volatile Range - BSD	NWTPH-GX	113	3		66.5	122.7	07/12/2018	JMK

**ALS Test Batch ID: 130358 - Soil by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	110			75.5	122.1	07/12/2018	EBS
TPH-Diesel Range - BSD	NWTPH-DX	122	10		75.5	122.1	07/12/2018	EBS

**ALS Test Batch ID: 130663 - Soil by EPA-8270 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	81.3			20	150	07/20/2018	PAB
Naphthalene - BSD	EPA-8270 SIM	89.5	10		20	150	07/20/2018	PAB
2-Methylnaphthalene - BS	EPA-8270 SIM	83.1			20	150	07/20/2018	PAB
2-Methylnaphthalene - BSD	EPA-8270 SIM	92.8	11		20	150	07/20/2018	PAB
1-Methylnaphthalene - BS	EPA-8270 SIM	79.6			20	150	07/20/2018	PAB
1-Methylnaphthalene - BSD	EPA-8270 SIM	87.9	10		20	150	07/20/2018	PAB
Acenaphthylene - BS	EPA-8270 SIM	85.0			20	150	07/20/2018	PAB
Acenaphthylene - BSD	EPA-8270 SIM	94.7	11		20	150	07/20/2018	PAB
Acenaphthene - BS	EPA-8270 SIM	86.9			41	107	07/20/2018	PAB
Acenaphthene - BSD	EPA-8270 SIM	95.8	10		41	107	07/20/2018	PAB
Fluorene - BS	EPA-8270 SIM	85.9			20	150	07/20/2018	PAB
Fluorene - BSD	EPA-8270 SIM	97.0	12		20	150	07/20/2018	PAB
Phenanthrene - BS	EPA-8270 SIM	87.4			20	150	07/20/2018	PAB
Phenanthrene - BSD	EPA-8270 SIM	97.0	10		20	150	07/20/2018	PAB
Anthracene - BS	EPA-8270 SIM	86.5			20	150	07/20/2018	PAB
Anthracene - BSD	EPA-8270 SIM	97.9	12		20	150	07/20/2018	PAB
Fluoranthene - BS	EPA-8270 SIM	83.0			20	150	07/20/2018	PAB
Fluoranthene - BSD	EPA-8270 SIM	93.5	12		20	150	07/20/2018	PAB
Pyrene - BS	EPA-8270 SIM	90.4			18	136	07/20/2018	PAB
Pyrene - BSD	EPA-8270 SIM	98.1	8		18	136	07/20/2018	PAB
Benzo[A]Anthracene - BS	EPA-8270 SIM	76.5			20	150	07/20/2018	PAB
Benzo[A]Anthracene - BSD	EPA-8270 SIM	87.4	13		20	150	07/20/2018	PAB
Chrysene - BS	EPA-8270 SIM	79.2			20	150	07/20/2018	PAB
Chrysene - BSD	EPA-8270 SIM	83.3	5		20	150	07/20/2018	PAB
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	88.6			20	150	07/20/2018	PAB
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	95.8	8		20	150	07/20/2018	PAB
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	91.8			20	150	07/20/2018	PAB



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South

DATE: 7/23/2018  
 ALS SDG#: EV18070059  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	99.6	8		20	150	07/20/2018	PAB
Benzo[A]Pyrene - BS	EPA-8270 SIM	76.4			20	150	07/20/2018	PAB
Benzo[A]Pyrene - BSD	EPA-8270 SIM	86.7	13		20	150	07/20/2018	PAB
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	66.5			20	150	07/20/2018	PAB
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	78.4	16		20	150	07/20/2018	PAB
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	42.1			20	150	07/20/2018	PAB
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	49.7	17		20	150	07/20/2018	PAB
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	75.4			20	150	07/20/2018	PAB
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	86.9	14		20	150	07/20/2018	PAB

SURROGATE	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Terphenyl-d14 - BSD	EPA-8270 SIM	178		S	58	132	07/20/2018	PAB

S - Outside of control limits.

**ALS Test Batch ID: 130669 - Soil by EPA-8082**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
PCB-1016 - BS	EPA-8082	83.2			50	150	07/20/2018	PAB
PCB-1016 - BSD	EPA-8082	82.1	1		50	150	07/20/2018	PAB
PCB-1260 - BS	EPA-8082	78.5			50	150	07/20/2018	PAB
PCB-1260 - BSD	EPA-8082	78.7	0		50	150	07/20/2018	PAB

**ALS Test Batch ID: R320171 - Soil by EPA-7471**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	105			81.8	117	07/20/2018	GAP
Mercury - BSD	EPA-7471	105	0		81.8	117	07/20/2018	GAP

**ALS Test Batch ID: 130622 - Soil by EPA-6020**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BS	EPA-6020	102			80	120	07/19/2018	GAP
Arsenic - BSD	EPA-6020	106	3		80	120	07/19/2018	GAP
Cadmium - BS	EPA-6020	106			80	120	07/19/2018	GAP
Cadmium - BSD	EPA-6020	110	4		80	120	07/19/2018	GAP
Chromium - BS	EPA-6020	103			80	120	07/19/2018	GAP
Chromium - BSD	EPA-6020	106	3		80	120	07/19/2018	GAP
Lead - BS	EPA-6020	104			80	120	07/19/2018	GAP
Lead - BSD	EPA-6020	106	2		80	120	07/19/2018	GAP



CERTIFICATE OF ANALYSIS

CLIENT: SCS Engineers
2405 140th Ave. NE, Suite 107
Bellevue, WA 98005

DATE: 7/23/2018
ALS SDG#: EV18070059
WDOE ACCREDITATION: C601

CLIENT CONTACT: Brian Doan
CLIENT PROJECT: 04218014.00 Bellevue South

LABORATORY CONTROL SAMPLE RESULTS

Table with 9 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows include Nickel - BS, Nickel - BSD, Zinc - BS, and Zinc - BSD.

APPROVED BY

Handwritten signature of Paul Bagum

Laboratory Director



ALS Environmental  
8620 Holly Drive, Suite 100  
Everett, WA 98208  
Phone (425) 356-2600  
Fax (425) 356-2626  
http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EVI8090059

Date 7-11-2018 Page 1 Of 1

PROJECT ID: 04218014.00 Bellevue South					ANALYSIS REQUESTED										OTHER (Specify)		
REPORT TO COMPANY: SCS Engineers					NWTPH-HCID NWTPH-DX NWTPH-GX Mineral Spirits BTEX by EPA 8021 <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 Volatile Organic Compounds by EPA 8260 EDB / EDC by EPA 8260 SIM (water) EDB / EDC by EPA 8260 (soil) Semivolatile Organic Compounds by EPA 8270 Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM PCB by EPA 8082 <input checked="" type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input checked="" type="checkbox"/> RCRA-8 <input type="checkbox"/> Pri Pol <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) Ni + Zn TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>												
PROJECT MANAGER: Brian Doan																	
ADDRESS: 2405 140th Ave NE #107 Bellevue, WA 98005																	
PHONE: 425-766-2487 P.O. #:																	
E-MAIL: BDoan@SCSEngineers.com																	
INVOICE TO COMPANY: Same																	
ATTENTION:																	
ADDRESS:																	
SAMPLE I.D.	DATE	TIME	TYPE	LAB#												NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. N5-5'	7-11-18	1140	soil	1	X X										2		
2. N4-7'		1150		2	↓ ↓												
3. Q17-5'		1325		3													
4. R16-8'		1340		4													
5. Q6P17-5'		1350		5													
6. N15 Trench Dr-3'		1445		6													
7. P11 Trench Dr-3'		1450		7													
8. P14-1'		1500		8													
9. NE Stockpile		1730		9	↓ ↓												
10. N4 Stockpile		1735	✓	10	Hold												

SPECIAL INSTRUCTIONS: (X) Added 7/18/18 per Greg Hellard on standard TAT

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: Brian Doan SCS Eng 7-12-2018 0730  
 Received By: [Signature] AJS 7/12/18 1035  
 2. Relinquished By: \_\_\_\_\_  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*  
 Organic, Metals & Inorganic Analysis  
 10 5 3 2 1 SAME DAY  
 Standard  
 Fuels & Hydrocarbon Analysis  
 5 3 X SAME DAY  
 Standard  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\*Turnaround request less than standard may incur Rush Charges



July 23, 2018

Mr. Brian Doan  
SCS Engineers  
2405 140th Ave. NE, Suite 107  
Bellevue, WA 98005

Dear Mr. Doan,

On July 13th, 7 samples were received by our laboratory and assigned our laboratory project number EV18070074. The project was identified as your 04218014.00 Bellevue South. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT: SCS Engineers DATE: 7/23/2018  
2405 140th Ave. NE, Suite 107 ALS JOB#: EV18070074  
Bellevue, WA 98005 ALS SAMPLE#: EV18070074-01  
CLIENT CONTACT: Brian Doan DATE RECEIVED: 07/13/2018  
CLIENT PROJECT: 04218014.00 Bellevue South COLLECTION DATE: 7/12/2018 8:30:00 AM  
CLIENT SAMPLE ID N10-1.5' WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	07/13/2018	JMK
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/14/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/14/2018	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	133	07/13/2018	JMK
C25	NWTPH-DX	81.9	07/14/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	7/23/2018
CLIENT CONTACT:	Brian Doan	ALS JOB#:	EV18070074
CLIENT PROJECT:	04218014.00 Bellevue South	ALS SAMPLE#:	EV18070074-02
CLIENT SAMPLE ID	G9-10'	DATE RECEIVED:	07/13/2018
		COLLECTION DATE:	7/12/2018 9:35:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Mineral Spirits	NWTPH-GX	3.2	3.0	1	MG/KG	07/13/2018	JMK
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/13/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/13/2018	EBS
Naphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
2-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
1-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Acenaphthylene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Acenaphthene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Fluorene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Phenanthrene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	20	1	UG/KG	07/20/2018	PAB
PCB-1016	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1221	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1232	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1242	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1248	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1254	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1260	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
PCB-1268	EPA-8082	U	0.10	1	MG/KG	07/20/2018	PAB
Mercury	EPA-7471	U	0.020	1	MG/KG	07/20/2018	GAP
Arsenic	EPA-6020	U	0.20	1	MG/KG	07/19/2018	GAP
Cadmium	EPA-6020	U	0.10	1	MG/KG	07/19/2018	GAP
Chromium	EPA-6020	2.0	0.10	1	MG/KG	07/19/2018	GAP
Lead	EPA-6020	0.14	0.10	1	MG/KG	07/19/2018	GAP
Nickel	EPA-6020	2.5	0.10	1	MG/KG	07/19/2018	GAP
Zinc	EPA-6020	2.0	0.50	1	MG/KG	07/19/2018	GAP

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/23/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070074
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070074-02
<b>CLIENT SAMPLE ID</b>	G9-10'	<b>DATE RECEIVED:</b>	07/13/2018
		<b>COLLECTION DATE:</b>	7/12/2018 9:35:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS ANALYSIS</b>	
			<b>DATE</b>	<b>BY</b>
TFT	NWTPH-GX	<b>107</b>	07/13/2018	JMK
C25	NWTPH-DX	<b>83.4</b>	07/13/2018	EBS
Terphenyl-d14	EPA-8270 SIM	<b>91.6</b>	07/20/2018	PAB
TCMX	EPA-8082	<b>90.8</b>	07/20/2018	PAB
DCB	EPA-8082	<b>89.8</b>	07/20/2018	PAB

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains mineral spirits.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/23/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070074
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070074-03
<b>CLIENT SAMPLE ID</b>	K10-1.5'	<b>DATE RECEIVED:</b>	07/13/2018
		<b>COLLECTION DATE:</b>	7/12/2018 11:55:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	07/13/2018	JMK
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/14/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/14/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>89.8</b>	07/13/2018	JMK
C25	NWTPH-DX	<b>88.6</b>	07/14/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/23/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070074
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070074-04
<b>CLIENT SAMPLE ID</b>	I13-5'	<b>DATE RECEIVED:</b>	07/13/2018
		<b>COLLECTION DATE:</b>	7/12/2018 12:50:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	<b>8.6</b>	6.0	2	MG/KG	07/16/2018	JMK
TPH-Diesel Range	NWTPH-DX	<b>180</b>	50	2	MG/KG	07/14/2018	EBS
TPH-Oil Range	NWTPH-DX	<b>520</b>	100	2	MG/KG	07/14/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 2X Dilution	NWTPH-GX	<b>99.9</b>	07/16/2018	JMK
C25 2X Dilution	NWTPH-DX	<b>102</b>	07/14/2018	EBS

Chromatogram indicates that it is likely that sample contains mineral spirits and light oil/lube oil.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/23/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070074
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070074-05
<b>CLIENT SAMPLE ID</b>	G12-1.5'	<b>DATE RECEIVED:</b>	07/13/2018
		<b>COLLECTION DATE:</b>	7/12/2018 2:20:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	07/13/2018	JMK
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/14/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/14/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	104	07/13/2018	JMK
C25	NWTPH-DX	78.5	07/14/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/23/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070074
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070074-06
<b>CLIENT SAMPLE ID</b>	NC Trench Dr SP	<b>DATE RECEIVED:</b>	07/13/2018
		<b>COLLECTION DATE:</b>	7/12/2018 5:00:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	<b>320</b>	120	40	MG/KG	07/16/2018	JMK
TPH-Diesel Range	NWTPH-DX	<b>180</b>	25	1	MG/KG	07/14/2018	EBS
TPH-Oil Range	NWTPH-DX	<b>360</b>	50	1	MG/KG	07/14/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 40X Dilution	NWTPH-GX	<b>2.12 S</b>	07/16/2018	JMK
C25	NWTPH-DX	<b>92.7</b>	07/14/2018	EBS

S - Outside of control limits.  
 Chromatogram indicates that it is likely that sample contains mineral spirits and light oil/lube oil.  
 Surrogate outside of control limits due to dilution.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/23/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070074
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070074-07
<b>CLIENT SAMPLE ID</b>	I10-8'	<b>DATE RECEIVED:</b>	07/13/2018
		<b>COLLECTION DATE:</b>	7/12/2018 11:00:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	07/13/2018	JMK
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/14/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/14/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	93.6	07/13/2018	JMK
C25	NWTPH-DX	71.8	07/14/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
2405 140th Ave. NE, Suite 107  
Bellevue, WA 98005

DATE: 7/23/2018  
ALS SDG#: EV18070074  
WDOE ACCREDITATION: C601

CLIENT CONTACT: Brian Doan  
CLIENT PROJECT: 04218014.00 Bellevue South

**LABORATORY BLANK RESULTS**

**MBG-071318S - Batch 130429 - Soil by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Mineral Spirits	NWTPH-GX	U	MG/KG	3.0	07/13/2018	JMK
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	07/13/2018	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-071318S - Batch 130414 - Soil by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	07/14/2018	EBS
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	07/14/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-072018S - Batch 130663 - Soil by EPA-8270 SIM**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
2-Methylnaphthalene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
1-Methylnaphthalene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Acenaphthylene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Acenaphthene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Fluorene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Phenanthrene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Anthracene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Fluoranthene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Pyrene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Chrysene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/KG	20	07/20/2018	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-071918S - Batch 130669 - Soil by EPA-8082**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South

DATE: 7/23/2018  
 ALS SDG#: EV18070074  
 WDOE ACCREDITATION: C601

**LABORATORY BLANK RESULTS**

**MB-071918S - Batch 130669 - Soil by EPA-8082**

PCB	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB
PCB-1221	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB
PCB-1232	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB
PCB-1242	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB
PCB-1248	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB
PCB-1254	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB
PCB-1260	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB
PCB-1268	EPA-8082	U	MG/KG	0.10	07/20/2018	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MBLK-R320171 - Batch R320171 - Soil by EPA-7471**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-7471	U	MG/KG	0.020	07/20/2018	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-071918S - Batch 130622 - Soil by EPA-6020**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Arsenic	EPA-6020	U	MG/KG	0.20	07/19/2018	GAP
Cadmium	EPA-6020	U	MG/KG	0.10	07/19/2018	GAP
Chromium	EPA-6020	U	MG/KG	0.10	07/19/2018	GAP
Lead	EPA-6020	U	MG/KG	0.10	07/19/2018	GAP
Nickel	EPA-6020	U	MG/KG	0.10	07/19/2018	GAP
Zinc	EPA-6020	U	MG/KG	0.50	07/19/2018	GAP

U - Analyte analyzed for but not detected at level above reporting limit.





**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South

DATE: 7/23/2018  
 ALS SDG#: EV18070074  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 130429 - Soil by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	111			66.5	122.7	07/13/2018	JMK
TPH-Volatile Range - BSD	NWTPH-GX	107	3		66.5	122.7	07/13/2018	JMK

**ALS Test Batch ID: 130414 - Soil by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	88.0			75.5	122.1	07/15/2018	EBS
TPH-Diesel Range - BSD	NWTPH-DX	96.0	9		75.5	122.1	07/15/2018	EBS

**ALS Test Batch ID: 130663 - Soil by EPA-8270 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	81.3			20	150	07/20/2018	PAB
Naphthalene - BSD	EPA-8270 SIM	89.5	10		20	150	07/20/2018	PAB
2-Methylnaphthalene - BS	EPA-8270 SIM	83.1			20	150	07/20/2018	PAB
2-Methylnaphthalene - BSD	EPA-8270 SIM	92.8	11		20	150	07/20/2018	PAB
1-Methylnaphthalene - BS	EPA-8270 SIM	79.6			20	150	07/20/2018	PAB
1-Methylnaphthalene - BSD	EPA-8270 SIM	87.9	10		20	150	07/20/2018	PAB
Acenaphthylene - BS	EPA-8270 SIM	85.0			20	150	07/20/2018	PAB
Acenaphthylene - BSD	EPA-8270 SIM	94.7	11		20	150	07/20/2018	PAB
Acenaphthene - BS	EPA-8270 SIM	86.9			41	107	07/20/2018	PAB
Acenaphthene - BSD	EPA-8270 SIM	95.8	10		41	107	07/20/2018	PAB
Fluorene - BS	EPA-8270 SIM	85.9			20	150	07/20/2018	PAB
Fluorene - BSD	EPA-8270 SIM	97.0	12		20	150	07/20/2018	PAB
Phenanthrene - BS	EPA-8270 SIM	87.4			20	150	07/20/2018	PAB
Phenanthrene - BSD	EPA-8270 SIM	97.0	10		20	150	07/20/2018	PAB
Anthracene - BS	EPA-8270 SIM	86.5			20	150	07/20/2018	PAB
Anthracene - BSD	EPA-8270 SIM	97.9	12		20	150	07/20/2018	PAB
Fluoranthene - BS	EPA-8270 SIM	83.0			20	150	07/20/2018	PAB
Fluoranthene - BSD	EPA-8270 SIM	93.5	12		20	150	07/20/2018	PAB
Pyrene - BS	EPA-8270 SIM	90.4			18	136	07/20/2018	PAB
Pyrene - BSD	EPA-8270 SIM	98.1	8		18	136	07/20/2018	PAB
Benzo[A]Anthracene - BS	EPA-8270 SIM	76.5			20	150	07/20/2018	PAB
Benzo[A]Anthracene - BSD	EPA-8270 SIM	87.4	13		20	150	07/20/2018	PAB
Chrysene - BS	EPA-8270 SIM	79.2			20	150	07/20/2018	PAB
Chrysene - BSD	EPA-8270 SIM	83.3	5		20	150	07/20/2018	PAB
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	88.6			20	150	07/20/2018	PAB
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	95.8	8		20	150	07/20/2018	PAB
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	91.8			20	150	07/20/2018	PAB



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: 04218014.00 Bellevue South

DATE: 7/23/2018  
 ALS SDG#: EV18070074  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	99.6	8		20	150	07/20/2018	PAB
Benzo[A]Pyrene - BS	EPA-8270 SIM	76.4			20	150	07/20/2018	PAB
Benzo[A]Pyrene - BSD	EPA-8270 SIM	86.7	13		20	150	07/20/2018	PAB
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	66.5			20	150	07/20/2018	PAB
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	78.4	16		20	150	07/20/2018	PAB
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	42.1			20	150	07/20/2018	PAB
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	49.7	17		20	150	07/20/2018	PAB
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	75.4			20	150	07/20/2018	PAB
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	86.9	14		20	150	07/20/2018	PAB

SURROGATE	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Terphenyl-d14 - BSD	EPA-8270 SIM	178		S	58	132	07/20/2018	PAB

S - Outside of control limits.

**ALS Test Batch ID: 130669 - Soil by EPA-8082**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
PCB-1016 - BS	EPA-8082	83.2			50	150	07/20/2018	PAB
PCB-1016 - BSD	EPA-8082	82.1	1		50	150	07/20/2018	PAB
PCB-1260 - BS	EPA-8082	78.5			50	150	07/20/2018	PAB
PCB-1260 - BSD	EPA-8082	78.7	0		50	150	07/20/2018	PAB

**ALS Test Batch ID: R320171 - Soil by EPA-7471**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-7471	105			81.8	117	07/20/2018	GAP
Mercury - BSD	EPA-7471	105	0		81.8	117	07/20/2018	GAP

**ALS Test Batch ID: 130622 - Soil by EPA-6020**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Arsenic - BS	EPA-6020	102			80	120	07/19/2018	GAP
Arsenic - BSD	EPA-6020	106	3		80	120	07/19/2018	GAP
Cadmium - BS	EPA-6020	106			80	120	07/19/2018	GAP
Cadmium - BSD	EPA-6020	110	4		80	120	07/19/2018	GAP
Chromium - BS	EPA-6020	103			80	120	07/19/2018	GAP
Chromium - BSD	EPA-6020	106	3		80	120	07/19/2018	GAP
Lead - BS	EPA-6020	104			80	120	07/19/2018	GAP
Lead - BSD	EPA-6020	106	2		80	120	07/19/2018	GAP

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b> 7/23/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS SDG#:</b> EV18070074
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>WDOE ACCREDITATION:</b> C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Nickel - BS	EPA-6020	107			80	120	07/19/2018	GAP
Nickel - BSD	EPA-6020	110	3		80	120	07/19/2018	GAP
Zinc - BS	EPA-6020	100			80	119	07/19/2018	GAP
Zinc - BSD	EPA-6020	105	5		80	119	07/19/2018	GAP

APPROVED BY



Laboratory Director



**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV18070074

Date 7-13-2018 Page 1 Of 1

PROJECT ID: <u>04218014-00 Bellevue South</u>					ANALYSIS REQUESTED										OTHER (Specify)																
REPORT TO COMPANY: <u>SCS Engineers</u>					<input type="checkbox"/> NWTPH-HCID <input type="checkbox"/> NWTPH-DX <input checked="" type="checkbox"/> NWTPH-GX <u>Mineral Spirits</u> <input type="checkbox"/> BTEX by EPA 8021 <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 <input type="checkbox"/> Volatile Organic Compounds by EPA 8260 <input type="checkbox"/> EDB / EDC by EPA 8260 SIM (water) <input type="checkbox"/> EDB / EDC by EPA 8260 (soil) <input type="checkbox"/> Semivolatile Organic Compounds by EPA 8270 <input type="checkbox"/> Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM <input checked="" type="checkbox"/> PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input checked="" type="checkbox"/> RCRA-8 <input type="checkbox"/> Pri Pol <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) <u>+ Ni, + Zn</u> <input type="checkbox"/> TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vo <input type="checkbox"/> Pest <input type="checkbox"/> Herbs																										
PROJECT MANAGER: <u>Brian Doan</u>																															
ADDRESS: <u>2405 140th Ave NE #107</u> <u>Bellevue WA 98005</u>																															
PHONE: <u>425-766-2487</u> P.O. #:																															
E-MAIL: <u>BDoan@SCSEngineers.com</u>																															
INVOICE TO COMPANY: <u>Same</u>																															
ATTENTION:																															
ADDRESS:																															
SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021	MTBE by EPA 8021	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082	Metals-MTCA-5	RCRA-8	Pri Pol	TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vo	Pest	Herbs	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?			
1. <u>N10-1.5'</u>	<u>7-12-18</u>	<u>0830</u>	<u>soil</u>	<u>1</u>			<input checked="" type="checkbox"/>																								
2. <u>G9-10'</u>		<u>0935</u>		<u>2</u>											<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>													
3. <u>K10-1.5'</u>		<u>1155</u>		<u>3</u>																											
4. <u>I13-5'</u>		<u>1250</u>		<u>4</u>																											
5. <u>G12-1.5'</u>		<u>1420</u>		<u>5</u>																											
6. <u>NK Trench Dr SP</u>	<input checked="" type="checkbox"/>	<u>1700</u>	<input checked="" type="checkbox"/>	<u>6</u>																											
7. <u>I10-8'</u>	<input checked="" type="checkbox"/>	<u>1100</u>	<input checked="" type="checkbox"/>	<u>7</u>																											
8.																															
9.																															
10.																															

SPECIAL INSTRUCTIONS: ⓐ Added 7/13/18 per Greg Hellard - standard TAT

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: Brian Doan SCS 7-13-18 1037  
 Received By: Steve J Silver AFS 7/13/18 1037  
 2. Relinquished By: \_\_\_\_\_  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*  
 Organic, Metals & Inorganic Analysis:  10 Standard,  5,  3,  2,  1,  SAME DAY  
 Fuels & Hydrocarbon Analysis:  5 Standard,  3,  1,  SAME DAY  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_

\*Turnaround request less than standard may incur Rush Charges



July 17, 2018

Mr. Brian Doan  
SCS Engineers  
2405 140th Ave. NE, Suite 107  
Bellevue, WA 98005

Dear Mr. Doan,

On July 16th, 1 sample was received by our laboratory and assigned our laboratory project number EV18070081. The project was identified as your 04218014.00 Bellevue South. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	7/17/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18070081
<b>CLIENT PROJECT:</b>	04218014.00 Bellevue South	<b>ALS SAMPLE#:</b>	EV18070081-01
<b>CLIENT SAMPLE ID</b>	P-14-2'	<b>DATE RECEIVED:</b>	07/16/2018
		<b>COLLECTION DATE:</b>	7/16/2018 8:00:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	07/16/2018	JMK
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/16/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/16/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	102	07/16/2018	JMK
C25	NWTPH-DX	68.5	07/16/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: SCS Engineers DATE: 7/17/2018  
2405 140th Ave. NE, Suite 107 ALS SDG#: EV18070081  
Bellevue, WA 98005 WDOE ACCREDITATION: C601  
CLIENT CONTACT: Brian Doan  
CLIENT PROJECT: 04218014.00 Bellevue South

LABORATORY BLANK RESULTS

**MBG-071618S - Batch 130488 - Soil by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Mineral Spirits	NWTPH-GX	U	MG/KG	3.0	07/16/2018	JMK
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	07/16/2018	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-071618S - Batch 130486 - Soil by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	07/16/2018	EBS
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	07/16/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	7/17/2018
CLIENT CONTACT:	Brian Doan	ALS SDG#:	EV18070081
CLIENT PROJECT:	04218014.00 Bellevue South	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 130488 - Soil by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	113			66.5	122.7	07/16/2018	JMK
TPH-Volatile Range - BSD	NWTPH-GX	107	5		66.5	122.7	07/16/2018	JMK

**ALS Test Batch ID: 130486 - Soil by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	93.4			75.5	122.1	07/16/2018	EBS
TPH-Diesel Range - BSD	NWTPH-DX	80.1	15		75.5	122.1	07/16/2018	EBS

APPROVED BY



Laboratory Director





**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV18070081

Date 7/16/18 Page 1 Of 1

PROJECT ID: 04218014.00 Bellane South					ANALYSIS REQUESTED										OTHER (Specify)													
REPORT TO COMPANY: SCS Engineers					NWTPH-HCID NWTPH-DX NWTPH-GX Mineral Spirits BTEX by EPA 8260 <input type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 Volatile Organic Compounds by EPA 8260 EDB / EDC by EPA 8260 SIM (water) EDB / EDC by EPA 8260 (soil) Semivolatile Organic Compounds by EPA 8270 Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> P+P <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>																							
PROJECT MANAGER: B. Doan																												
ADDRESS: 2405 140th Ave NE, Suite 107 Bellane WA 98005																												
PHONE: 425-766-2487 P.O. #:																												
E-MAIL: BDoan@scsengineers.com																												
INVOICE TO COMPANY: Same																												
ATTENTION:																												
ADDRESS:																												
SAMPLE I.D.	DATE	TIME	TYPE	LAB#		NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021	MTBE by EPA 8021	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082	Metals-MTCA-5	RCRA-8	P+P	TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs	NUMBER OF CONTAINERS
1. P-14-2'	7/16/18	800	soil	1		X	X																				2	
2.																												
3.																												
4.																												
5.																												
6.																												
7.																												
8.																												
9.																												
10.																												

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: [Signature] SCS 7/16/18 1220  
 Received By: [Signature] AJS 7/16/18 1215

2. Relinquished By: \_\_\_\_\_  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*

Organic, Metals & Inorganic Analysis  
 10 Standard  5  3  2  1 SAME DAY

Fuels & Hydrocarbon Analysis  
 5 Standard  3  SAME DAY

OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\*Turnaround request less than standard may incur Rush Charges



November 2, 2018

Mr. Brian Doan  
SCS Engineers  
2405 140th Ave. NE, Suite 107  
Bellevue, WA 98005

Dear Mr. Doan,

On November 1st, 4 samples were received by our laboratory and assigned our laboratory project number EV18110008. The project was identified as your Bellevue South 04218014.00. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT: SCS Engineers DATE: 11/2/2018  
2405 140th Ave. NE, Suite 107 ALS JOB#: EV18110008  
Bellevue, WA 98005 ALS SAMPLE#: EV18110008-01  
CLIENT CONTACT: Brian Doan DATE RECEIVED: 11/01/2018  
CLIENT PROJECT: Bellevue South 04218014.00 COLLECTION DATE: 10/31/2018 9:05:00 AM  
CLIENT SAMPLE ID I-4-4' WDOE ACCREDITATION: C601

SAMPLE DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	11/01/2018	KLS
TPH-Diesel Range	NWTPH-DX	130	25	1	MG/KG	11/01/2018	EBS
TPH-Oil Range	NWTPH-DX	150	50	1	MG/KG	11/01/2018	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	83.1	11/01/2018	KLS
C25	NWTPH-DX	93.9	11/01/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains diesel and lube oil.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	11/2/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18110008
<b>CLIENT PROJECT:</b>	Bellevue South 04218014.00	<b>ALS SAMPLE#:</b>	EV18110008-02
<b>CLIENT SAMPLE ID</b>	L-4-3.5'	<b>DATE RECEIVED:</b>	11/01/2018
		<b>COLLECTION DATE:</b>	10/31/2018 9:30:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	11/01/2018	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	11/01/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	11/01/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	97.7	11/01/2018	KLS
C25	NWTPH-DX	98.0	11/01/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	11/2/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18110008
<b>CLIENT PROJECT:</b>	Bellevue South 04218014.00	<b>ALS SAMPLE#:</b>	EV18110008-03
<b>CLIENT SAMPLE ID</b>	H4 - Characterize	<b>DATE RECEIVED:</b>	11/01/2018
		<b>COLLECTION DATE:</b>	10/31/2018 12:50:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	11/01/2018	EBS
TPH-Oil Range	NWTPH-DX	70	50	1	MG/KG	11/01/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
C25	NWTPH-DX	89.0	11/01/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains lube oil.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	11/2/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18110008
<b>CLIENT PROJECT:</b>	Bellevue South 04218014.00	<b>ALS SAMPLE#:</b>	EV18110008-04
<b>CLIENT SAMPLE ID</b>	Baker Discharge	<b>DATE RECEIVED:</b>	11/01/2018
		<b>COLLECTION DATE:</b>	10/31/2018 5:15:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
Cis-1,2-Dichloroethene	EPA-8260	U	2.0	1	UG/L	11/01/2018	DLC
Benzene	EPA-8260	U	2.0	1	UG/L	11/01/2018	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	11/01/2018	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	11/01/2018	DLC
m,p-Xylene	EPA-8260	U	4.0	1	UG/L	11/01/2018	DLC
o-Xylene	EPA-8260	U	2.0	1	UG/L	11/01/2018	DLC
N-Propyl Benzene	EPA-8260	U	2.0	1	UG/L	11/01/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/01/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	2.0	1	UG/L	11/01/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	2.0	1	UG/L	11/01/2018	DLC

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
1,2-Dichloroethane-d4	EPA-8260	101	11/01/2018	DLC
Toluene-d8	EPA-8260	95.3	11/01/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE: 11/2/2018 ALS SDG#: EV18110008 WDOE ACCREDITATION: C601
CLIENT CONTACT:	Brian Doan	
CLIENT PROJECT:	Bellevue South 04218014.00	

**LABORATORY BLANK RESULTS**

**MBG-110118S - Batch 134173 - Soil by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Mineral Spirits	NWTPH-GX	U	MG/KG	3.0	11/01/2018	KLS
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	11/01/2018	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-110118S - Batch 134187 - Soil by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	11/01/2018	EBS
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	11/01/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-110118W - Batch 134195 - Water by EPA-8260**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	11/01/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/L	2.0	11/01/2018	DLC
Benzene	EPA-8260	U	UG/L	2.0	11/01/2018	DLC
Toluene	EPA-8260	U	UG/L	2.0	11/01/2018	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	11/01/2018	DLC
m,p-Xylene	EPA-8260	U	UG/L	4.0	11/01/2018	DLC
o-Xylene	EPA-8260	U	UG/L	2.0	11/01/2018	DLC
N-Propyl Benzene	EPA-8260	U	UG/L	2.0	11/01/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/01/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/L	2.0	11/01/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	UG/L	2.0	11/01/2018	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: Bellevue South 04218014.00

DATE: 11/2/2018  
 ALS SDG#: EV18110008  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 134173 - Soil by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	84.8			66.5	122.7	11/01/2018	KLS
TPH-Volatile Range - BSD	NWTPH-GX	86.7	2		66.5	122.7	11/01/2018	KLS

**ALS Test Batch ID: 134187 - Soil by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	93.6			75.5	122.1	11/01/2018	EBS
TPH-Diesel Range - BSD	NWTPH-DX	92.8	1		75.5	122.1	11/01/2018	EBS

**ALS Test Batch ID: 134195 - Water by EPA-8260**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,1-Dichloroethene - BS	EPA-8260	91.4			72.5	136	11/01/2018	DLC
1,1-Dichloroethene - BSD	EPA-8260	97.4	6		72.5	136	11/01/2018	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	92.7			50	150	11/01/2018	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	97.8	5		50	150	11/01/2018	DLC
Benzene - BS	EPA-8260	96.9			74.7	143	11/01/2018	DLC
Benzene - BSD	EPA-8260	101	4		74.7	143	11/01/2018	DLC
Toluene - BS	EPA-8260	92.4			71.7	139	11/01/2018	DLC
Toluene - BSD	EPA-8260	96.7	5		71.7	139	11/01/2018	DLC
Ethylbenzene - BS	EPA-8260	90.3			50	150	11/01/2018	DLC
Ethylbenzene - BSD	EPA-8260	96.1	6		50	150	11/01/2018	DLC
m,p-Xylene - BS	EPA-8260	105			50	150	11/01/2018	DLC
m,p-Xylene - BSD	EPA-8260	110	5		50	150	11/01/2018	DLC
o-Xylene - BS	EPA-8260	100			50	150	11/01/2018	DLC
o-Xylene - BSD	EPA-8260	105	5		50	150	11/01/2018	DLC
N-Propyl Benzene - BS	EPA-8260	86.7			50	150	11/01/2018	DLC
N-Propyl Benzene - BSD	EPA-8260	91.2	5		50	150	11/01/2018	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	92.5			50	150	11/01/2018	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	93.7	1		50	150	11/01/2018	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	88.9			50	150	11/01/2018	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	92.2	4		50	150	11/01/2018	DLC
1,2-Dichlorobenzene - BS	EPA-8260	86.8			50	150	11/01/2018	DLC
1,2-Dichlorobenzene - BSD	EPA-8260	88.9	2		50	150	11/01/2018	DLC



CERTIFICATE OF ANALYSIS

APPROVED BY



Laboratory Director





November 21, 2018

Mr. Brian Doan  
SCS Engineers  
2405 140th Ave. NE, Suite 107  
Bellevue, WA 98005

Dear Mr. Doan,

On November 2nd, 9 samples were received by our laboratory and assigned our laboratory project number EV18110023. The project was identified as your Bellevue South 04218014.00. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	11/21/2018
CLIENT CONTACT:	Brian Doan	ALS JOB#:	EV18110023
CLIENT PROJECT:	Bellevue South 04218014.00	ALS SAMPLE#:	EV18110023-01
CLIENT SAMPLE ID	H3.5 - Floor	DATE RECEIVED:	11/02/2018
		COLLECTION DATE:	11/2/2018 10:15:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	11/02/2018	KLS
TPH-Diesel Range	NWTPH-DX	82	25	1	MG/KG	11/04/2018	EBS
TPH-Oil Range	NWTPH-DX	230	50	1	MG/KG	11/04/2018	EBS
Naphthalene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
2-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
1-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
PCB-1016	EPA-8082	U	0.10	1	MG/KG	11/15/2018	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	11/15/2018	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	11/15/2018	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	11/15/2018	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	11/15/2018	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	11/15/2018	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	11/15/2018	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	11/15/2018	JMK

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	97.9	11/02/2018	KLS
C25	NWTPH-DX	99.1	11/04/2018	EBS
Terphenyl-d14	EPA-8270 SIM	88.8	11/21/2018	JMK
TCMX	EPA-8082	61.9	11/15/2018	JMK
DCB	EPA-8082	63.1	11/15/2018	JMK

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and an unidentified oil range product.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	11/21/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18110023
<b>CLIENT PROJECT:</b>	Bellevue South 04218014.00	<b>ALS SAMPLE#:</b>	EV18110023-02
<b>CLIENT SAMPLE ID</b>	H2.5 - Floor	<b>DATE RECEIVED:</b>	11/02/2018
		<b>COLLECTION DATE:</b>	11/2/2018 10:30:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	11/02/2018	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	11/02/2018	EBS
TPH-Oil Range	NWTPH-DX	99	50	1	MG/KG	11/02/2018	EBS
Dichlorodifluoromethane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Chloromethane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Vinyl Chloride	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Bromomethane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Chloroethane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Carbon Tetrachloride	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Trichlorofluoromethane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Carbon Disulfide	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Acetone	EPA-8260	U	50	1	UG/KG	11/03/2018	DLC
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Methylene Chloride	EPA-8260	U	20	1	UG/KG	11/03/2018	DLC
Acrylonitrile	EPA-8260	U	50	1	UG/KG	11/03/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
1,1-Dichloroethane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
2-Butanone	EPA-8260	U	50	1	UG/KG	11/03/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
2,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Bromochloromethane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Chloroform	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
1,1-Dichloropropene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Benzene	EPA-8260	U	5.0	1	UG/KG	11/03/2018	DLC
Trichloroethene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
1,2-Dichloropropane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Dibromomethane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Bromodichloromethane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	50	1	UG/KG	11/03/2018	DLC
Toluene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
2-Hexanone	EPA-8260	U	50	1	UG/KG	11/03/2018	DLC
1,3-Dichloropropane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Tetrachloroethylene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	11/21/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18110023
<b>CLIENT PROJECT:</b>	Bellevue South 04218014.00	<b>ALS SAMPLE#:</b>	EV18110023-02
<b>CLIENT SAMPLE ID</b>	H2.5 - Floor	<b>DATE RECEIVED:</b>	11/02/2018
		<b>COLLECTION DATE:</b>	11/2/2018 10:30:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
Dibromochloromethane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	11/03/2018	DLC
Chlorobenzene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Ethylbenzene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
m,p-Xylene	EPA-8260	U	20	1	UG/KG	11/03/2018	DLC
Styrene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
o-Xylene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Bromoform	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Isopropylbenzene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Bromobenzene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
N-Propyl Benzene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
2-Chlorotoluene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
4-Chlorotoluene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
T-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
S-Butyl Benzene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
P-Isopropyltoluene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
N-Butylbenzene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	50	1	UG/KG	11/03/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Hexachlorobutadiene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
Naphthalene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC
1,2,3-Trichlorobenzene	EPA-8260	U	10	1	UG/KG	11/03/2018	DLC

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	103	11/02/2018	KLS
C25	NWTPH-DX	94.2	11/02/2018	EBS
1,2-Dichloroethane-d4	EPA-8260	98.1	11/03/2018	DLC
Toluene-d8	EPA-8260	103	11/03/2018	DLC
4-Bromofluorobenzene	EPA-8260	99.8	11/03/2018	DLC



CERTIFICATE OF ANALYSIS

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	11/21/2018
CLIENT CONTACT:	Brian Doan	ALS JOB#:	EV18110023
CLIENT PROJECT:	Bellevue South 04218014.00	ALS SAMPLE#:	EV18110023-02
CLIENT SAMPLE ID	H2.5 - Floor	DATE RECEIVED:	11/02/2018
		COLLECTION DATE:	11/2/2018 10:30:00 AM
		WDOE ACCREDITATION:	C601

SAMPLE DATA RESULTS

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains lube oil.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	11/21/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18110023
<b>CLIENT PROJECT:</b>	Bellevue South 04218014.00	<b>ALS SAMPLE#:</b>	EV18110023-03
<b>CLIENT SAMPLE ID</b>	H1 - Floor	<b>DATE RECEIVED:</b>	11/02/2018
		<b>COLLECTION DATE:</b>	11/2/2018 10:50:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	11/02/2018	KLS
TPH-Diesel Range	NWTPH-DX	32	25	1	MG/KG	11/02/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	11/02/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	97.8	11/02/2018	KLS
C25	NWTPH-DX	89.2	11/02/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains an unidentified diesel range product.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	11/21/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18110023
<b>CLIENT PROJECT:</b>	Bellevue South 04218014.00	<b>ALS SAMPLE#:</b>	EV18110023-04
<b>CLIENT SAMPLE ID</b>	G2.5 - SW	<b>DATE RECEIVED:</b>	11/02/2018
		<b>COLLECTION DATE:</b>	11/2/2018 11:05:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	11/02/2018	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	11/02/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	11/02/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	106	11/02/2018	KLS
C25	NWTPH-DX	74.3	11/02/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	11/21/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18110023
<b>CLIENT PROJECT:</b>	Bellevue South 04218014.00	<b>ALS SAMPLE#:</b>	EV18110023-05
<b>CLIENT SAMPLE ID</b>	H0.5 - SW	<b>DATE RECEIVED:</b>	11/02/2018
		<b>COLLECTION DATE:</b>	11/2/2018 11:15:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	11/02/2018	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	11/03/2018	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	11/03/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>108</b>	11/02/2018	KLS
C25	NWTPH-DX	<b>93.3</b>	11/03/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	11/21/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18110023
<b>CLIENT PROJECT:</b>	Bellevue South 04218014.00	<b>ALS SAMPLE#:</b>	EV18110023-06
<b>CLIENT SAMPLE ID</b>	I2.5 - SW	<b>DATE RECEIVED:</b>	11/02/2018
		<b>COLLECTION DATE:</b>	11/2/2018 11:30:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	11/02/2018	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	11/02/2018	EBS
TPH-Oil Range	NWTPH-DX	410	50	1	MG/KG	11/02/2018	EBS
Naphthalene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
2-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
1-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	11/21/2018	JMK
PCB-1016	EPA-8082	U	0.10	1	MG/KG	11/15/2018	JMK
PCB-1221	EPA-8082	U	0.10	1	MG/KG	11/15/2018	JMK
PCB-1232	EPA-8082	U	0.10	1	MG/KG	11/15/2018	JMK
PCB-1242	EPA-8082	U	0.10	1	MG/KG	11/15/2018	JMK
PCB-1248	EPA-8082	U	0.10	1	MG/KG	11/15/2018	JMK
PCB-1254	EPA-8082	U	0.10	1	MG/KG	11/15/2018	JMK
PCB-1260	EPA-8082	U	0.10	1	MG/KG	11/15/2018	JMK
PCB-1268	EPA-8082	U	0.10	1	MG/KG	11/15/2018	JMK

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	104	11/02/2018	KLS
C25	NWTPH-DX	95.3	11/02/2018	EBS
Terphenyl-d14	EPA-8270 SIM	92.9	11/21/2018	JMK
TCMX	EPA-8082	70.4	11/15/2018	JMK
DCB	EPA-8082	69.6	11/15/2018	JMK

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains light oil.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	11/21/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18110023
<b>CLIENT PROJECT:</b>	Bellevue South 04218014.00	<b>ALS SAMPLE#:</b>	EV18110023-07
<b>CLIENT SAMPLE ID</b>	H4 - SW	<b>DATE RECEIVED:</b>	11/02/2018
		<b>COLLECTION DATE:</b>	11/2/2018 11:45:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Mineral Spirits	NWTPH-GX	U	3.0	1	MG/KG	11/02/2018	KLS
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	11/03/2018	EBS
TPH-Oil Range	NWTPH-DX	<b>87</b>	50	1	MG/KG	11/03/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>103</b>	11/02/2018	KLS
C25	NWTPH-DX	<b>88.3</b>	11/03/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains lube oil.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	<b>DATE:</b>	11/21/2018
<b>CLIENT CONTACT:</b>	Brian Doan	<b>ALS JOB#:</b>	EV18110023
<b>CLIENT PROJECT:</b>	Bellevue South 04218014.00	<b>ALS SAMPLE#:</b>	EV18110023-08
<b>CLIENT SAMPLE ID</b>	OWS Char. 1	<b>DATE RECEIVED:</b>	11/02/2018
		<b>COLLECTION DATE:</b>	11/2/2018 12:00:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Diesel Range	NWTPH-DX	<b>230</b>	25	1	MG/KG	11/04/2018	EBS
TPH-Oil Range	NWTPH-DX	<b>230</b>	50	1	MG/KG	11/04/2018	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
C25	NWTPH-DX	<b>106</b>	11/04/2018	EBS

Chromatogram indicates that it is likely that sample contains diesel and lube oil.



**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	11/21/2018
CLIENT CONTACT:	Brian Doan	ALS SDG#:	EV18110023
CLIENT PROJECT:	Bellevue South 04218014.00	WDOE ACCREDITATION:	C601

**LABORATORY BLANK RESULTS**

**MBG-110218S - Batch 134230 - Soil by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Mineral Spirits	NWTPH-GX	U	MG/KG	3.0	11/02/2018	KLS
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	11/02/2018	KLS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-110218S2 - Batch 134240 - Soil by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	11/02/2018	EBS
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	11/02/2018	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-110218S - Batch 134241 - Soil by EPA-8260**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Dichlorodifluoromethane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Chloromethane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Vinyl Chloride	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Bromomethane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Chloroethane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Carbon Tetrachloride	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Trichlorofluoromethane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Carbon Disulfide	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Acetone	EPA-8260	U	UG/KG	50	11/02/2018	DLC
1,1-Dichloroethene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Methylene Chloride	EPA-8260	U	UG/KG	20	11/02/2018	DLC
Acrylonitrile	EPA-8260	U	UG/KG	50	11/02/2018	DLC
Methyl T-Butyl Ether	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Trans-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
1,1-Dichloroethane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
2-Butanone	EPA-8260	U	UG/KG	50	11/02/2018	DLC
Cis-1,2-Dichloroethene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
2,2-Dichloropropane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Bromochloromethane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Chloroform	EPA-8260	U	UG/KG	10	11/02/2018	DLC
1,1,1-Trichloroethane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
1,1-Dichloropropene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Benzene	EPA-8260	U	UG/KG	5.0	11/02/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: Bellevue South 04218014.00

DATE: 11/21/2018  
 ALS SDG#: EV18110023  
 WDOE ACCREDITATION: C601

**LABORATORY BLANK RESULTS**

**MB-110218S - Batch 134241 - Soil by EPA-8260**

Trichloroethene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
1,2-Dichloropropane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Dibromomethane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Bromodichloromethane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Trans-1,3-Dichloropropene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
4-Methyl-2-Pentanone	EPA-8260	U	UG/KG	50	11/02/2018	DLC
Toluene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Cis-1,3-Dichloropropene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
1,1,2-Trichloroethane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
2-Hexanone	EPA-8260	U	UG/KG	50	11/02/2018	DLC
1,3-Dichloropropane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Tetrachloroethylene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Dibromochloromethane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	11/02/2018	DLC
Chlorobenzene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
1,1,1,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Ethylbenzene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
m,p-Xylene	EPA-8260	U	UG/KG	20	11/02/2018	DLC
Styrene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
o-Xylene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Bromoform	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Isopropylbenzene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
1,1,2,2-Tetrachloroethane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
1,2,3-Trichloropropane	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Bromobenzene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
N-Propyl Benzene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
2-Chlorotoluene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
1,3,5-Trimethylbenzene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
4-Chlorotoluene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
T-Butyl Benzene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
1,2,4-Trimethylbenzene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
S-Butyl Benzene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
P-Isopropyltoluene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
1,3-Dichlorobenzene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
1,4-Dichlorobenzene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
N-Butylbenzene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
1,2-Dichlorobenzene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
1,2-Dibromo 3-Chloropropane	EPA-8260	U	UG/KG	50	11/02/2018	DLC
1,2,4-Trichlorobenzene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Hexachlorobutadiene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
Naphthalene	EPA-8260	U	UG/KG	10	11/02/2018	DLC



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: Bellevue South 04218014.00

DATE: 11/21/2018  
 ALS SDG#: EV18110023  
 WDOE ACCREDITATION: C601

**LABORATORY BLANK RESULTS**

**MB-110218S - Batch 134241 - Soil by EPA-8260**

1,2,3-Trichlorobenzene	EPA-8260	U	UG/KG	10	11/02/2018	DLC
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U - Analyte analyzed for but not detected at level above reporting limit.

**MB-111218S - Batch 134521 - Soil by EPA-8270 SIM**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/KG	20	11/12/2018	JMK
2-Methylnaphthalene	EPA-8270 SIM	U	UG/KG	20	11/12/2018	JMK
1-Methylnaphthalene	EPA-8270 SIM	U	UG/KG	20	11/12/2018	JMK
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	11/12/2018	JMK
Chrysene	EPA-8270 SIM	U	UG/KG	20	11/12/2018	JMK
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	11/12/2018	JMK
Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	11/12/2018	JMK
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	11/12/2018	JMK
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	11/12/2018	JMK
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	11/12/2018	JMK
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/KG	20	11/12/2018	JMK

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-111218S - Batch 134661 - Soil by EPA-8082**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
PCB-1016	EPA-8082	U	MG/KG	0.10	11/15/2018	JMK
PCB-1221	EPA-8082	U	MG/KG	0.10	11/15/2018	JMK
PCB-1232	EPA-8082	U	MG/KG	0.10	11/15/2018	JMK
PCB-1242	EPA-8082	U	MG/KG	0.10	11/15/2018	JMK
PCB-1248	EPA-8082	U	MG/KG	0.10	11/15/2018	JMK
PCB-1254	EPA-8082	U	MG/KG	0.10	11/15/2018	JMK
PCB-1260	EPA-8082	U	MG/KG	0.10	11/15/2018	JMK
PCB-1268	EPA-8082	U	MG/KG	0.10	11/15/2018	JMK

U - Analyte analyzed for but not detected at level above reporting limit.





**CERTIFICATE OF ANALYSIS**

CLIENT:	SCS Engineers 2405 140th Ave. NE, Suite 107 Bellevue, WA 98005	DATE:	11/21/2018
CLIENT CONTACT:	Brian Doan	ALS SDG#:	EV18110023
CLIENT PROJECT:	Bellevue South 04218014.00	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 134230 - Soil by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	83.6			66.5	122.7	11/02/2018	KLS
TPH-Volatile Range - BSD	NWTPH-GX	87.1	4		66.5	122.7	11/02/2018	KLS

**ALS Test Batch ID: 134240 - Soil by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	93.7			75.5	122.1	11/02/2018	EBS
TPH-Diesel Range - BSD	NWTPH-DX	109	15		75.5	122.1	11/02/2018	EBS

**ALS Test Batch ID: 134241 - Soil by EPA-8260**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Dichlorodifluoromethane - BS	EPA-8260	86.1			50	150	11/03/2018	DLC
Dichlorodifluoromethane - BSD	EPA-8260	84.9	1		50	150	11/03/2018	DLC
Chloromethane - BS	EPA-8260	89.5			50	150	11/03/2018	DLC
Chloromethane - BSD	EPA-8260	88.1	2		50	150	11/03/2018	DLC
Vinyl Chloride - BS	EPA-8260	81.1			50	150	11/03/2018	DLC
Vinyl Chloride - BSD	EPA-8260	80.8	0		50	150	11/03/2018	DLC
Bromomethane - BS	EPA-8260	102			50	150	11/03/2018	DLC
Bromomethane - BSD	EPA-8260	95.7	7		50	150	11/03/2018	DLC
Chloroethane - BS	EPA-8260	93.2			50	150	11/03/2018	DLC
Chloroethane - BSD	EPA-8260	93.1	0		50	150	11/03/2018	DLC
Carbon Tetrachloride - BS	EPA-8260	94.2			50	150	11/03/2018	DLC
Carbon Tetrachloride - BSD	EPA-8260	93.5	1		50	150	11/03/2018	DLC
Trichlorofluoromethane - BS	EPA-8260	90.8			50	150	11/03/2018	DLC
Trichlorofluoromethane - BSD	EPA-8260	90.6	0		50	150	11/03/2018	DLC
Carbon Disulfide - BS	EPA-8260	89.4			50	150	11/03/2018	DLC
Carbon Disulfide - BSD	EPA-8260	88.3	1		50	150	11/03/2018	DLC
Acetone - BS	EPA-8260	96.0			50	150	11/03/2018	DLC
Acetone - BSD	EPA-8260	101	5		50	150	11/03/2018	DLC
1,1-Dichloroethene - BS	EPA-8260	88.5			70	130	11/03/2018	DLC
1,1-Dichloroethene - BSD	EPA-8260	88.2	0		70	130	11/03/2018	DLC
Methylene Chloride - BS	EPA-8260	196		SQ1	50	150	11/03/2018	DLC
Methylene Chloride - BSD	EPA-8260	205	5	SQ1	50	150	11/03/2018	DLC
Acrylonitrile - BS	EPA-8260	90.4			50	150	11/03/2018	DLC
Acrylonitrile - BSD	EPA-8260	89.7	1		50	150	11/03/2018	DLC
Methyl T-Butyl Ether - BS	EPA-8260	91.7			50	150	11/03/2018	DLC
Methyl T-Butyl Ether - BSD	EPA-8260	93.2	2		50	150	11/03/2018	DLC
Trans-1,2-Dichloroethene - BS	EPA-8260	95.2			50	150	11/03/2018	DLC



**CERTIFICATE OF ANALYSIS**

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DATE: 11/21/2018  
 ALS SDG#: EV18110023  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Trans-1,2-Dichloroethene - BSD	EPA-8260	95.4	0		50	150	11/03/2018	DLC
1,1-Dichloroethane - BS	EPA-8260	90.2			50	150	11/03/2018	DLC
1,1-Dichloroethane - BSD	EPA-8260	92.1	2		50	150	11/03/2018	DLC
2-Butanone - BS	EPA-8260	84.0			50	150	11/03/2018	DLC
2-Butanone - BSD	EPA-8260	87.9	5		50	150	11/03/2018	DLC
Cis-1,2-Dichloroethene - BS	EPA-8260	97.2			50	150	11/03/2018	DLC
Cis-1,2-Dichloroethene - BSD	EPA-8260	93.3	4		50	150	11/03/2018	DLC
2,2-Dichloropropane - BS	EPA-8260	59.0			50	150	11/03/2018	DLC
2,2-Dichloropropane - BSD	EPA-8260	57.3	3		50	150	11/03/2018	DLC
Bromochloromethane - BS	EPA-8260	90.1			50	150	11/03/2018	DLC
Bromochloromethane - BSD	EPA-8260	93.2	3		50	150	11/03/2018	DLC
Chloroform - BS	EPA-8260	98.1			50	150	11/03/2018	DLC
Chloroform - BSD	EPA-8260	98.2	0		50	150	11/03/2018	DLC
1,1,1-Trichloroethane - BS	EPA-8260	90.1			50	150	11/03/2018	DLC
1,1,1-Trichloroethane - BSD	EPA-8260	89.3	1		50	150	11/03/2018	DLC
1,1-Dichloropropene - BS	EPA-8260	92.9			50	150	11/03/2018	DLC
1,1-Dichloropropene - BSD	EPA-8260	92.1	1		50	150	11/03/2018	DLC
1,2-Dichloroethane - BS	EPA-8260	91.9			50	150	11/03/2018	DLC
1,2-Dichloroethane - BSD	EPA-8260	95.0	3		50	150	11/03/2018	DLC
Benzene - BS	EPA-8260	90.4			75	138	11/03/2018	DLC
Benzene - BSD	EPA-8260	92.7	3		75	138	11/03/2018	DLC
Trichloroethene - BS	EPA-8260	90.2			75	136	11/03/2018	DLC
Trichloroethene - BSD	EPA-8260	91.8	2		75	136	11/03/2018	DLC
1,2-Dichloropropane - BS	EPA-8260	91.2			50	150	11/03/2018	DLC
1,2-Dichloropropane - BSD	EPA-8260	93.6	3		50	150	11/03/2018	DLC
Dibromomethane - BS	EPA-8260	86.6			50	150	11/03/2018	DLC
Dibromomethane - BSD	EPA-8260	91.5	5		50	150	11/03/2018	DLC
Bromodichloromethane - BS	EPA-8260	92.3			50	150	11/03/2018	DLC
Bromodichloromethane - BSD	EPA-8260	94.9	3		50	150	11/03/2018	DLC
Trans-1,3-Dichloropropene - BS	EPA-8260	91.4			50	150	11/03/2018	DLC
Trans-1,3-Dichloropropene - BSD	EPA-8260	93.9	3		50	150	11/03/2018	DLC
4-Methyl-2-Pentanone - BS	EPA-8260	96.7			50	150	11/03/2018	DLC
4-Methyl-2-Pentanone - BSD	EPA-8260	102	6		50	150	11/03/2018	DLC
Toluene - BS	EPA-8260	88.9			71.6	122.1	11/03/2018	DLC
Toluene - BSD	EPA-8260	90.0	1		71.6	122.1	11/03/2018	DLC
Cis-1,3-Dichloropropene - BS	EPA-8260	86.9			50	150	11/03/2018	DLC
Cis-1,3-Dichloropropene - BSD	EPA-8260	90.1	4		50	150	11/03/2018	DLC
1,1,2-Trichloroethane - BS	EPA-8260	96.2			50	150	11/03/2018	DLC
1,1,2-Trichloroethane - BSD	EPA-8260	97.7	2		50	150	11/03/2018	DLC
2-Hexanone - BS	EPA-8260	76.1			50	150	11/03/2018	DLC



**CERTIFICATE OF ANALYSIS**

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DATE: 11/21/2018  
 ALS SDG#: EV18110023  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
2-Hexanone - BSD	EPA-8260	75.5	1		50	150	11/03/2018	DLC
1,3-Dichloropropane - BS	EPA-8260	92.1			50	150	11/03/2018	DLC
1,3-Dichloropropane - BSD	EPA-8260	93.7	2		50	150	11/03/2018	DLC
Tetrachloroethylene - BS	EPA-8260	96.5			50	150	11/03/2018	DLC
Tetrachloroethylene - BSD	EPA-8260	95.0	2		50	150	11/03/2018	DLC
Dibromochloromethane - BS	EPA-8260	113			50	150	11/03/2018	DLC
Dibromochloromethane - BSD	EPA-8260	114	1		50	150	11/03/2018	DLC
1,2-Dibromoethane - BS	EPA-8260	97.0			50	150	11/03/2018	DLC
1,2-Dibromoethane - BSD	EPA-8260	99.0	2		50	150	11/03/2018	DLC
Chlorobenzene - BS	EPA-8260	99.0			79	128	11/03/2018	DLC
Chlorobenzene - BSD	EPA-8260	97.3	2		79	128	11/03/2018	DLC
1,1,1,2-Tetrachloroethane - BS	EPA-8260	106			50	150	11/03/2018	DLC
1,1,1,2-Tetrachloroethane - BSD	EPA-8260	104	2		50	150	11/03/2018	DLC
Ethylbenzene - BS	EPA-8260	92.1			50	150	11/03/2018	DLC
Ethylbenzene - BSD	EPA-8260	91.9	0		50	150	11/03/2018	DLC
m,p-Xylene - BS	EPA-8260	104			50	150	11/03/2018	DLC
m,p-Xylene - BSD	EPA-8260	104	0		50	150	11/03/2018	DLC
Styrene - BS	EPA-8260	98.7			50	150	11/03/2018	DLC
Styrene - BSD	EPA-8260	98.7	0		50	150	11/03/2018	DLC
o-Xylene - BS	EPA-8260	92.5			50	150	11/03/2018	DLC
o-Xylene - BSD	EPA-8260	92.6	0		50	150	11/03/2018	DLC
Bromoform - BS	EPA-8260	102			50	150	11/03/2018	DLC
Bromoform - BSD	EPA-8260	106	4		50	150	11/03/2018	DLC
Isopropylbenzene - BS	EPA-8260	95.2			50	150	11/03/2018	DLC
Isopropylbenzene - BSD	EPA-8260	94.1	1		50	150	11/03/2018	DLC
1,1,2,2-Tetrachloroethane - BS	EPA-8260	86.2			50	150	11/03/2018	DLC
1,1,2,2-Tetrachloroethane - BSD	EPA-8260	89.8	4		50	150	11/03/2018	DLC
1,2,3-Trichloropropane - BS	EPA-8260	88.8			50	150	11/03/2018	DLC
1,2,3-Trichloropropane - BSD	EPA-8260	91.4	3		50	150	11/03/2018	DLC
Bromobenzene - BS	EPA-8260	86.7			50	150	11/03/2018	DLC
Bromobenzene - BSD	EPA-8260	89.0	3		50	150	11/03/2018	DLC
N-Propyl Benzene - BS	EPA-8260	86.3			50	150	11/03/2018	DLC
N-Propyl Benzene - BSD	EPA-8260	86.6	0		50	150	11/03/2018	DLC
2-Chlorotoluene - BS	EPA-8260	88.2			50	150	11/03/2018	DLC
2-Chlorotoluene - BSD	EPA-8260	89.8	2		50	150	11/03/2018	DLC
1,3,5-Trimethylbenzene - BS	EPA-8260	88.8			50	150	11/03/2018	DLC
1,3,5-Trimethylbenzene - BSD	EPA-8260	82.4	8		50	150	11/03/2018	DLC
4-Chlorotoluene - BS	EPA-8260	90.2			50	150	11/03/2018	DLC
4-Chlorotoluene - BSD	EPA-8260	90.0	0		50	150	11/03/2018	DLC
T-Butyl Benzene - BS	EPA-8260	83.0			50	150	11/03/2018	DLC



**CERTIFICATE OF ANALYSIS**

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DATE: 11/21/2018  
 ALS SDG#: EV18110023  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
T-Butyl Benzene - BSD	EPA-8260	84.0	1		50	150	11/03/2018	DLC
1,2,4-Trimethylbenzene - BS	EPA-8260	83.8			50	150	11/03/2018	DLC
1,2,4-Trimethylbenzene - BSD	EPA-8260	85.2	2		50	150	11/03/2018	DLC
S-Butyl Benzene - BS	EPA-8260	89.2			50	150	11/03/2018	DLC
S-Butyl Benzene - BSD	EPA-8260	89.1	0		50	150	11/03/2018	DLC
P-Isopropyltoluene - BS	EPA-8260	86.6			50	150	11/03/2018	DLC
P-Isopropyltoluene - BSD	EPA-8260	87.9	2		50	150	11/03/2018	DLC
1,3-Dichlorobenzene - BS	EPA-8260	82.2			50	150	11/03/2018	DLC
1,3-Dichlorobenzene - BSD	EPA-8260	82.9	1		50	150	11/03/2018	DLC
1,4-Dichlorobenzene - BS	EPA-8260	91.0			50	150	11/03/2018	DLC
1,4-Dichlorobenzene - BSD	EPA-8260	92.2	1		50	150	11/03/2018	DLC
N-Butylbenzene - BS	EPA-8260	82.0			50	150	11/03/2018	DLC
N-Butylbenzene - BSD	EPA-8260	83.5	2		50	150	11/03/2018	DLC
1,2-Dichlorobenzene - BS	EPA-8260	89.2			50	150	11/03/2018	DLC
1,2-Dichlorobenzene - BSD	EPA-8260	90.4	1		50	150	11/03/2018	DLC
1,2-Dibromo 3-Chloropropane - BS	EPA-8260	91.0			50	150	11/03/2018	DLC
1,2-Dibromo 3-Chloropropane - BSD	EPA-8260	95.4	5		50	150	11/03/2018	DLC
1,2,4-Trichlorobenzene - BS	EPA-8260	89.9			50	150	11/03/2018	DLC
1,2,4-Trichlorobenzene - BSD	EPA-8260	92.2	3		50	150	11/03/2018	DLC
Hexachlorobutadiene - BS	EPA-8260	90.5			50	150	11/03/2018	DLC
Hexachlorobutadiene - BSD	EPA-8260	92.4	2		50	150	11/03/2018	DLC
Naphthalene - BS	EPA-8260	90.8			50	150	11/03/2018	DLC
Naphthalene - BSD	EPA-8260	94.1	4		50	150	11/03/2018	DLC
1,2,3-Trichlorobenzene - BS	EPA-8260	91.4			50	150	11/03/2018	DLC
1,2,3-Trichlorobenzene - BSD	EPA-8260	94.2	3		50	150	11/03/2018	DLC

SQ1 - Spike outside of control limits with a high bias. Associated compounds non-detect. No corrective action taken.

**ALS Test Batch ID: 134521 - Soil by EPA-8270 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	66.8			20	150	11/12/2018	JMK
Naphthalene - BSD	EPA-8270 SIM	71.3	6		20	150	11/12/2018	JMK
2-Methylnaphthalene - BS	EPA-8270 SIM	70.5			20	150	11/12/2018	JMK
2-Methylnaphthalene - BSD	EPA-8270 SIM	75.3	7		20	150	11/12/2018	JMK
1-Methylnaphthalene - BS	EPA-8270 SIM	64.4			20	150	11/12/2018	JMK
1-Methylnaphthalene - BSD	EPA-8270 SIM	68.8	7		20	150	11/12/2018	JMK
Benzo[A]Anthracene - BS	EPA-8270 SIM	58.1			20	150	11/12/2018	JMK
Benzo[A]Anthracene - BSD	EPA-8270 SIM	62.2	7		20	150	11/12/2018	JMK
Chrysene - BS	EPA-8270 SIM	69.0			20	150	11/12/2018	JMK
Chrysene - BSD	EPA-8270 SIM	72.7	5		20	150	11/12/2018	JMK



**CERTIFICATE OF ANALYSIS**

CLIENT: SCS Engineers  
 2405 140th Ave. NE, Suite 107  
 Bellevue, WA 98005

CLIENT CONTACT: Brian Doan  
 CLIENT PROJECT: Bellevue South 04218014.00

DATE: 11/21/2018  
 ALS SDG#: EV18110023  
 WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzo[B]Fluoranthene - BS	EPA-8270 SIM	67.7			20	150	11/12/2018	JMK
Benzo[B]Fluoranthene - BSD	EPA-8270 SIM	72.2	6		20	150	11/12/2018	JMK
Benzo[K]Fluoranthene - BS	EPA-8270 SIM	75.1			20	150	11/12/2018	JMK
Benzo[K]Fluoranthene - BSD	EPA-8270 SIM	77.9	4		20	150	11/12/2018	JMK
Benzo[A]Pyrene - BS	EPA-8270 SIM	88.1			20	150	11/12/2018	JMK
Benzo[A]Pyrene - BSD	EPA-8270 SIM	92.5	5		20	150	11/12/2018	JMK
Indeno[1,2,3-Cd]Pyrene - BS	EPA-8270 SIM	78.7			20	150	11/12/2018	JMK
Indeno[1,2,3-Cd]Pyrene - BSD	EPA-8270 SIM	82.0	4		20	150	11/12/2018	JMK
Dibenz[A,H]Anthracene - BS	EPA-8270 SIM	79.0			20	150	11/12/2018	JMK
Dibenz[A,H]Anthracene - BSD	EPA-8270 SIM	82.7	5		20	150	11/12/2018	JMK
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	78.3			20	150	11/12/2018	JMK
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	81.5	4		20	150	11/12/2018	JMK

**ALS Test Batch ID: 134661 - Soil by EPA-8082**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
PCB-1016 - BS	EPA-8082	83.8			50	150	11/15/2018	JMK
PCB-1016 - BSD	EPA-8082	88.4	5		50	150	11/15/2018	JMK
PCB-1260 - BS	EPA-8082	78.8			50	150	11/15/2018	JMK
PCB-1260 - BSD	EPA-8082	86.4	9		50	150	11/15/2018	JMK

APPROVED BY

Laboratory Director



**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

**EVI8110023**

Date 11-2-2018 Page 1 Of 1

PROJECT ID: <u>Belleve South 04218014.00</u>	ANALYSIS REQUESTED	OTHER (Specify)
REPORT TO COMPANY: <u>SCS Engineers</u>	<input type="checkbox"/> NWTPH-HCID <input type="checkbox"/> NWTPH-DX <input checked="" type="checkbox"/> NWTPH-GX <u>Mineral Spirits</u> <input type="checkbox"/> BTEX by EPA 8021 <input type="checkbox"/> BTEX by EPA 8260 <input type="checkbox"/> <input type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> <input type="checkbox"/> Halogenated Volatiles by EPA 8260 <input type="checkbox"/> Volatile Organic Compounds by EPA 8260 <input type="checkbox"/> EDB / EDC by EPA 8260 SIM (water) <input type="checkbox"/> EDB / EDC by EPA 8260 (soil) <input type="checkbox"/> Semivolatile Organic Compounds by EPA 8270 <input checked="" type="checkbox"/> <u>Chlorinated + Naphthalenes</u> <input checked="" type="checkbox"/> <u>Polyyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM</u> <input type="checkbox"/> PCB by EPA 8082 <input checked="" type="checkbox"/> <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Phl Poi <input type="checkbox"/> TAL <input type="checkbox"/> <input type="checkbox"/> Metals Other (Specify) <input type="checkbox"/> TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>	
PROJECT MANAGER: <u>Brian Doan</u>		
ADDRESS: <u>2405 140th Ave NE 107</u>		
<u>Belleve WA 98005</u>		
PHONE: <u>425-766-2487</u> P.O. #:		
E-MAIL: <u>BDoan@SCS Engineers</u>		
INVOICE TO COMPANY: <u>Same</u>		
ATTENTION:		
ADDRESS:		

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8021	BTEX by EPA 8260	MTBE by EPA 8021	MTBE by EPA 8260	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	<u>Chlorinated + Naphthalenes</u>	<u>Polyyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM</u>	PCB by EPA 8082	Pesticides by EPA 8081	Metals-MTCA-5	RCRA-8	Phl Poi	TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. H3.5-Floor	11-2-18	1015	Soil	1		X	X											X	X												4	
2. H2.5-Floor		1030		2									X																		4	
3. H1 - Floor		1050		3																											2	
4. G2.5-SW		1105		4																											1	
5. H0.5-SW		1115		5																											1	
6. I2.5-SW		1130		6														X	X												1	
7. H4 - SW		1145		7																											1	
8. OWS Char. 1		1200		8		X																									1	
9. OWS Char. 2		1205		9																						X					1	
10.																																

SPECIAL INSTRUCTIONS ⊗ Added 11/2/18 per Brian on Standard 10 Day TAT

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: [Signature] SCS, 11/2/18, 1307  
 Received By: [Signature] SCS 11-2-2018 13:07  
 2. Relinquished By: [Signature] SCS 11-2-2018 1319  
 Received By: [Signature] ALS 11/2/18 13:19

TURNAROUND REQUESTED in Business Days\*  
 Organic, Metals & Inorganic Analysis  
 10 Standard  5  3  2  SAME DAY  
 Fuels & Hydrocarbon Analysis  
 5 Standard  3  SAME DAY  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_

\*Turnaround request less than standard may incur Rush Charges



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

February 28, 2019

Brian Doan  
SCS Engineers  
2405 140th Avenue NE, Suite 107  
Bellevue, WA 98005

Re: Analytical Data for Project 04218014.00  
Laboratory Reference No. 1902-168

Dear Brian:

Enclosed are the analytical results and associated quality control data for samples submitted on February 27, 2019.

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

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

Sincerely,

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

David Baumeister  
Project Manager

Enclosures



---

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

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

Date of Report: February 28, 2019  
Samples Submitted: February 27, 2019  
Laboratory Reference: 1902-168  
Project: 04218014.00

### Case Narrative

Samples were collected on February 26 and 27, 2019 and received by the laboratory on February 27, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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





Date of Report: February 28, 2019  
 Samples Submitted: February 27, 2019  
 Laboratory Reference: 1902-168  
 Project: 04218014.00

**GASOLINE RANGE ORGANICS  
 NWTPH-Gx**

Matrix: Soil  
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>Catch Basin Floor-6'</b>					
Laboratory ID:	02-168-01					
Stoddard Solvent	<b>ND</b>	6.2	NWTPH-Gx	2-27-19	2-27-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	108	57-129				
<b>Client ID:</b>	<b>Vault NE-3'</b>					
Laboratory ID:	02-168-05					
Stoddard Solvent	<b>ND</b>	3.3	NWTPH-Gx	2-27-19	2-27-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	115	57-129				
<b>Client ID:</b>	<b>Vault W Wall-2'</b>					
Laboratory ID:	02-168-06					
Stoddard Solvent	<b>ND</b>	3.4	NWTPH-Gx	2-27-19	2-27-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	108	57-129				
<b>Client ID:</b>	<b>SP-3</b>					
Laboratory ID:	02-168-07					
Stoddard Solvent	<b>12</b>	3.0	NWTPH-Gx	2-27-19	2-27-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	88	57-129				



Date of Report: February 28, 2019  
 Samples Submitted: February 27, 2019  
 Laboratory Reference: 1902-168  
 Project: 04218014.00

**GASOLINE RANGE ORGANICS  
 NWTPH-Gx  
 QUALITY CONTROL**

Matrix: Soil  
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0227S1					
Stoddard Solvent	ND	5.0	NWTPH-Gx	2-27-19	2-27-19	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	94	57-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
<b>DUPLICATE</b>								
Laboratory ID:	02-168-05							
	ORIG	DUP						
Stoddard Solvent	ND	ND	NA	NA	NA	NA	NA	30
Surrogate:								
Fluorobenzene				115	117	57-129		



Date of Report: February 28, 2019  
 Samples Submitted: February 27, 2019  
 Laboratory Reference: 1902-168  
 Project: 04218014.00

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

Matrix: Soil  
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>Catch Basin Floor-6'</b>					
Laboratory ID:	02-168-01					
Diesel Range Organics	ND	29	NWTPH-Dx	2-27-19	2-27-19	
Lube Oil Range Organics	ND	59	NWTPH-Dx	2-27-19	2-27-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	71	50-150				
<b>Client ID:</b>	<b>Vault NE-3'</b>					
Laboratory ID:	02-168-05					
Diesel Range Organics	ND	29	NWTPH-Dx	2-27-19	2-27-19	
Lube Oil Range Organics	ND	57	NWTPH-Dx	2-27-19	2-27-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	73	50-150				
<b>Client ID:</b>	<b>Vault W Wall-2'</b>					
Laboratory ID:	02-168-06					
Diesel Range Organics	ND	29	NWTPH-Dx	2-27-19	2-27-19	X1
Lube Oil Range Organics	ND	58	NWTPH-Dx	2-27-19	2-27-19	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				
<b>Client ID:</b>	<b>SP-3</b>					
Laboratory ID:	02-168-07					
Diesel Range Organics	ND	66	NWTPH-Dx	2-27-19	2-27-19	U1,X1
Lube Oil	330	55	NWTPH-Dx	2-27-19	2-27-19	X1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				



Date of Report: February 28, 2019  
 Samples Submitted: February 27, 2019  
 Laboratory Reference: 1902-168  
 Project: 04218014.00

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0227S2					
Diesel Range Organics	<b>ND</b>	25	NWTPH-Dx	2-27-19	2-27-19	X1
Lube Oil Range Organics	<b>ND</b>	50	NWTPH-Dx	2-27-19	2-27-19	X1
Surrogate:	<i>Percent Recovery</i>		<i>Control Limits</i>			
<i>o-Terphenyl</i>	93	50-150				
Laboratory ID:	MB0227S2					
Diesel Range Organics	<b>ND</b>	25	NWTPH-Dx	2-27-19	2-27-19	
Lube Oil Range Organics	<b>ND</b>	50	NWTPH-Dx	2-27-19	2-27-19	
Surrogate:	<i>Percent Recovery</i>		<i>Control Limits</i>			
<i>o-Terphenyl</i>	93	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
<b>DUPLICATE</b>								
Laboratory ID:	SB0227S2							
	ORIG	DUP						
Diesel Fuel #2	<b>88.9</b>	<b>79.5</b>	NA	NA	NA	NA	11	NA
Lube Oil Range	<b>ND</b>	<b>ND</b>	NA	NA	NA	NA	NA	NA
Surrogate:								
<i>o-Terphenyl</i>				93	94	50-150		



Date of Report: February 28, 2019  
Samples Submitted: February 27, 2019  
Laboratory Reference: 1902-168  
Project: 04218014.00

### % MOISTURE

Date Analyzed: 2-27-19

Client ID	Lab ID	% Moisture
Catch Basin Floor-6'	02-168-01	15
Vault NE-3'	02-168-05	13
Vault W Wall-2'	02-168-06	14
SP-3	02-168-07	8





### Data Qualifiers and Abbreviations

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



# Chain of Custody

Company: <u>SCS Engineers</u> Project Number: <u>04218014.00</u> Project Name: <u>Belleve South</u> Project Manager: <u>Brian Dean</u> Sampled by: _____		<b>Turnaround Request (in working days)</b> (Check One) <u>24 hrs</u> <input type="checkbox"/> Same Day <input checked="" type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> Standard (7 Days) <input type="checkbox"/> _____ (other)		<b>Number of Containers</b>		<b>Laboratory Number: 02-168</b>																			
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx Mineral Spirits	NWTPH-Dx Acid/SG Clean-up) Dirty for wall-2+SP-3	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total FCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Hold	% Moisture	
1	Catch Basin Floor -6' <u>Center</u>	2-26-19	1330 →	Soil	1			XX																	X
2	Catch Basin SW -4'	2-26-19	1340 →	Soil	1																		XX		
3	SP-1	2-26-19	1430	↓	1																		XX		
4	SP-2	2-26-19	1440	↓	1																		X		
5	Vault NE -3'	2-27-19	0800	↓	3			XX																	X
6	Vault W Wall -2'	↓	0815	↓	3			XX																	↓
7	SP-3	↓	0845	↓	3			XX																	
8	SP-4	↓	0915	↓	1																		X		
Signature		Company		Date	Time	Comments/Special Instructions																			
Relinquished		SCS Engineers		2-27-19	1119																				
Received		OBE		2/27/19	1119																				
Relinquished																									
Received																									
Relinquished																									
Received																									
Reviewed/Date		Reviewed/Date		Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>																					

Appendix E  
Documentation  
(Including Soil Disposal Records)









Earth Solutions NW, LLC  
 2881 152nd Avenue N.E.  
 Redmond, WA 98052  
 Telephone: 4252843300  
 Fax: 4252842855

# BORING NUMBER B-8

PAGE 1 OF 2

CLIENT KG Investment Management PROJECT NAME Bellevue Development  
 PROJECT NUMBER 0415 PROJECT LOCATION Bellevue, Washington  
 DATE STARTED 4/20/06 COMPLETED 4/20/06 GROUND ELEVATION 75 ft HOLE SIZE \_\_\_\_\_  
 DRILLING CONTRACTOR Holocene Drilling GROUND WATER LEVELS:  
 DRILLING METHOD HSA AT TIME OF DRILLING ---  
 LOGGED BY SSR CHECKED BY KRC AT END OF DRILLING ---  
 NOTES Asphalt Pavement AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							
					SM		Brown silty SAND with gravel, loose, moist to wet (Fill) 74.0
							Gray silty SAND, medium dense, moist
	SS	100	4-4-6 (10)	MC = 13.80%			-trace organics
5	SS	100	2-1-12 (13)	MC = 18.20%			
	SS	100	2-7-8 (15)	MC = 14.80%			
10	SS	100	9-13-15 (28)	MC = 12.20%	SM		
15	SS	100	7-8-9 (17)	MC = 14.60%			
20							

GENERAL BH / TP / WELL 0415.GPJ\_GINT US.GDT 4/24/06



Earth Solutions NW, LLC  
 2881 152nd Avenue N.E.  
 Redmond, WA 98052  
 Telephone: 4252843300  
 Fax: 4252842855

**BORING NUMBER B-8**

PAGE 2 OF 2

CLIENT KG Investment Management

PROJECT NAME Bellevue Development

PROJECT NUMBER 0415

PROJECT LOCATION Bellevue, Washington

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
20	SS	100	50/5"	MC = 9.40%	SM		Gray SAND with silt, very dense, wet
25	SS	100	50/4"	MC = 13.70%			25.5
							<p>Boring terminated at 25.5 feet below existing grade. Groundwater seepage encountered at 7.5 feet during drilling. 1" PVC standpipe installed to bottom of boring. Lower 10.0 feet slotted. Boring backfilled with bentonite, sand and well cap.          Bottom of hole at 25.5 feet.</p>

GENERAL BH / TP / WELL\_0415.GPJ\_GINT US.GDT 4/24/06



Earth Solutions NW, LLC  
 2881 152nd Avenue N.E.  
 Redmond, WA 98052  
 Telephone: 4252843300  
 Fax: 4252842855

# BORING NUMBER B-11

PAGE 1 OF 3

CLIENT KG Investment Management PROJECT NAME Bellevue Development  
 PROJECT NUMBER 0415 PROJECT LOCATION Bellevue, Washington  
 DATE STARTED 4/20/06 COMPLETED 4/20/06 GROUND ELEVATION 97 ft HOLE SIZE \_\_\_\_\_  
 DRILLING CONTRACTOR Holocene Drilling GROUND WATER LEVELS:  
 DRILLING METHOD HSA AT TIME OF DRILLING ---  
 LOGGED BY SSR CHECKED BY KRC AT END OF DRILLING ---  
 NOTES Gravel Parking AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							
					GP		Brown poorly graded GRAVEL, dense, moist
							96.0
							Brown silty SAND with gravel, loose, wet
					SM		
	SS	100	2-4-5 (9)	MC = 11.60%			93.0
5							Gray silty SAND, very dense, wet
	SS	100	12-22-36 (58)	MC = 13.90%			
10							
					SM		
	SS	100	24-31-28 (59)	MC = 20.10%			
15							
	SS	100	23-54-4 (58)	MC = 19.20%			
20							

GENERAL BH / TP / WELL 0415.GPJ GINT US.GDT 4/24/06



Earth Solutions NW, LLC  
 2881 152nd Avenue N.E.  
 Redmond, WA 98052  
 Telephone: 4252843300  
 Fax: 4252842855

# BORING NUMBER B-11



PAGE 2 OF 3

CLIENT KG Investment Management

PROJECT NAME Bellevue Development

PROJECT NUMBER 0415

PROJECT LOCATION Bellevue, Washington

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
20							
					SM		Gray silty SAND, very dense, wet (continued)
						21.0	76.0
							Gray lean CLAY with sand, hard, moist
	X SS	100	29-50/4"	MC = 20.10%			
25							
	X SS	100	29-39-39 (78)	MC = 14.20%			
30							
	X SS	100	12-14-26 (40)	MC = 26.00%	CL		
35							
	X SS	100	5-7-14 (21)	MC = 37.30%			
40							
	X						

GENERAL BH / TP / WELL / 0415 GPJ GINT US GDT 4/24/06



Earth Solutions NW, LLC  
 2881 152nd Avenue N.E.  
 Redmond, WA 98052  
 Telephone: 4252843300  
 Fax: 4252842855

**BORING NUMBER B-11**

PAGE 3 OF 3

CLIENT KG Investment Management

PROJECT NAME Bellevue Development

PROJECT NUMBER 0415

PROJECT LOCATION Bellevue, Washington

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	TESTS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
	SS	100	24-33-35 (68)	MC = 25.80%		CL	Gray lean CLAY with sand, hard, moist <i>(continued)</i>
45							
	SS	100	12-20-38 (58)	MC = 27.00%			
						49.0	<p>Boring terminated at 49.0 feet below existing grade. Groundwater seepage encountered at 2.5 feet during drilling. 1" PVC standpipe installed to 15.0 feet. Lower 10.0 feet slotted. Boring backfilled with bentonite, sand and well cap.            Bottom of hole at 49.0 feet.</p>
						48.0	

GENERAL BH / TP / WELL 0415.GPJ GINT US.GDT 4/24/06



Hart Crowser, Inc

# BORING NUMBER HC-03

PAGE 1 OF 1

CLIENT Target Corporation  
 PROJECT NUMBER 15957-01  
 DATE STARTED 5/20/2013 COMPLETED 5/20/2013  
 DRILLING CONTRACTOR Holt International  
 DRILLING METHOD Hollow Stem Auger  
 LOGGED BY A. Wade CHECKED BY D. Trisler  
 NOTE: \_\_\_\_\_

PROJECT NAME Bellevue Central T2763  
 PROJECT LOCATION 116th Ave. NE, Bellevue, WA  
 GROUND ELEVATION 83.25 ft MSL HOLE SIZE 10"  
 GROUND WATER LEVELS:  
 AT TIME OF DRILLING ---  
 AT END OF DRILLING ---  
 AFTER DRILLING ---

GEOTECH BH PLOTS WITH WELL - GINT STD US LAB.GDT - 11/10/13 13:22 - F:\DATA\JOBS\15957 TARGET-01 TARGET-BELLEVUE CENTRAL T2763\GINT\15957-01 BELLEVUE TARGET BORING LOGS.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	PIEZOMETER DETAIL	▲ SPT N VALUE ▲			
							20	40	60	80
							PL	MC	LL	
							20	40	60	80
							□ FINES CONTENT (%) □			
							20	40	60	80
0		2-inch thick ASPHALT pavement								
0-5		(SM) Medium dense, moist to wet, tan, GRAVELLY SILTY fine SAND, well mottled, rounded gravels, some cobbles [Fill]	SPT 1	67	2-6-8 (14)					
5-10		grades to wet	SPT 2	50	4-7-10 (17)					
10-15		grades to occasional cobbles	SPT 3	11	4-12-31 (43)					
15-20		(SP-SM) Very dense, moist, gray GRAVELLY medium to fine SAND with silt, occasional cobble [Coarse-grained Vashon Till]	SPT 4	92	36-50					
20-25		(SM) Very dense, dry to moist, gray GRAVELLY SILTY SAND	SPT 5	100	50/4"				>>	
25-30		(SP-SM) Very dense, dry, gray GRAVELLY very fine SAND with silt and cobbles	SPT 6	100	50					
30-35			SPT 7	100	50/4"				>>	
35-40			SPT 8	100	50/4"				>>	

Boring completed at 25' 10"  
 No groundwater while drilling



Hart Crowser, Inc

# BORING NUMBER HC-04

PAGE 1 OF 1

CLIENT Target Corporation  
 PROJECT NUMBER 15957-01  
 DATE STARTED 5/21/2013 COMPLETED 5/21/2013  
 DRILLING CONTRACTOR Holt International  
 DRILLING METHOD Hollow Stem Auger  
 LOGGED BY A. Wade CHECKED BY D. Trisler  
 NOTE: \_\_\_\_\_

PROJECT NAME Bellevue Central T2763  
 PROJECT LOCATION 116th Ave. NE, Bellevue, WA  
 GROUND ELEVATION 90.3 ft MSL HOLE SIZE 10"  
 GROUND WATER LEVELS:  
 ▽ AT TIME OF DRILLING 4.50 ft / Elev 85.80 ft First water-bearing zone  
 AT END OF DRILLING ---  
 AFTER DRILLING ---

GEOTECH BH PLOTS WITH WELL - GINT STD US LAB.GDT - 11/10/13 13:22 - F:\DATA\OBS\15957 TARGET-01 BELLEVUE CENTRAL T2763\GINT\15957-01 BELLEVUE TARGET BORING LOGS.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	PIEZOMETER DETAIL	▲ SPT N VALUE ▲			
							20	40	60	80
							PL	MC	LL	
							20	40	60	80
							□ FINES CONTENT (%) □			
							20	40	60	80
0		2-inch thick ASPHALT pavement								
0 - 6.5		(SP-SM) Loose to medium dense, moist, red brown POORLY GRADED fine SAND with silt [Fill] grades to light brown	SPT 1	11	4-8-11 (19)					
6.5 - 10		(SM) Medium dense, wet, brown with light gray mottling SILTY medium SAND with gravel [Coarse-grained Vashon Till] grades to saturated	SPT 2	67	5-6-7 (13)					
10 - 12			SPT 3	67	4-14-26 (40)					
12 - 15		grades to very dense, moist to wet, brown with gray mottling GRAVELLY SILTY medium SAND	SPT 4	91	23-50/5"					
15 - 17		grades to slight gray mottling	SPT 5	80	11-50/4"					
17 - 20		grades to gray	SPT 6	6	7-22-50/5"					
20 - 22		(SP) Very dense, wet, brown POORLY GRADED medium SAND	SPT 7	100	50/4"					
22 - 25		(SM) Very dense, moist, blue gray SILTY fine SAND, trace gravel								
25 - 30		grades to moist to wet, gray	SPT 8	100	50/4"					
30 - 30'5"			SPT 9	100	50/5"					

Boring completed at 30' 5"  
 Groundwater at 4'6", 19', and 25' while drilling





Hart Crowser, Inc

# BORING NUMBER HC-05

PAGE 1 OF 1

CLIENT Target Corporation  
 PROJECT NUMBER 15957-01  
 DATE STARTED 5/20/2013 COMPLETED 5/20/2013  
 DRILLING CONTRACTOR Holt International  
 DRILLING METHOD Hollow Stem Auger  
 LOGGED BY A. Wade CHECKED BY D. Trisler  
 NOTE: \_\_\_\_\_

PROJECT NAME Bellevue Central T2763  
 PROJECT LOCATION 116th Ave. NE, Bellevue, WA  
 GROUND ELEVATION 92.5 ft MSL HOLE SIZE 10"  
 GROUND WATER LEVELS:  
 ▽ AT TIME OF DRILLING 30.00 ft / Elev 62.50 ft  
 AT END OF DRILLING ---  
 AFTER DRILLING ---

GEOTECH BH PLOTS WITH WELL - GINT STD US LAB.GDT - 11/10/13 13:22 - F:\DATA\JOBS\15957 TARGET-01 BELLEVUE CENTRAL T2763\GINT\15957-01 BELLEVUE TARGET BORING LOGS.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	PIEZOMETER DETAIL	▲ SPT N VALUE ▲		
							20	40	60
0		(SP-SM) Very dense, moist, gray POORLY GRADED fine SAND with silt, gravel, and cobbles [Coarse-grained Vashon Till]							
0-10		grades to dry	SPT 1	100	19-50/5"				
			SPT 2	100	39-50/5"				
			SPT 3	64	39-50/5"				
10-15		(CL-ML) Hard, dry to moist, gray fine SANDY CLAYEY SILT with gravel, fine horizontal sand laminae (Fine-grained Vashon Till)	SPT 4	28	12-33-35 (68)				
			SPT 5	44	14-9-13 (22)				
			SPT 6	44	9-15-21 (36)				
15-25		grades to dry, gray, very fine sand laminae	SPT 7	100	8-15-34 (49)				
25-30		grades to moist, occasional fine to medium sand lenses, trace coarse sand	SPT 8	100	16-34-13 (47)				
30-36'6"		grades to hard, moist, gray with 3-inch thick water-bearing fine to medium sand lenses	SPT 9	100	5-9-13 (22)				
36'6"-38'		(CL) Hard, dry to moist, gray LEAN CLAY, low plasticity, very fine sand laminae	SPT 10	100	13-15-17 (32)				

Boring completed at 36' 6"  
 Groundwater at 30' while drilling



Hart Crowser, Inc

# BORING NUMBER HC-10

PAGE 1 OF 1

CLIENT Target Corporation  
 PROJECT NUMBER 15957-01  
 DATE STARTED 5/23/2013 COMPLETED 5/23/2013  
 DRILLING CONTRACTOR Holt International  
 DRILLING METHOD Hollow Stem Auger  
 LOGGED BY A. Wade CHECKED BY D. Trisler  
 NOTE: \_\_\_\_\_

PROJECT NAME Bellevue Central T2763  
 PROJECT LOCATION 116th Ave. NE, Bellevue, WA  
 GROUND ELEVATION 127.5 ft MSL HOLE SIZE 8"  
 GROUND WATER LEVELS:  
 ▽ AT TIME OF DRILLING 15.00 ft / Elev 112.50 ft  
 AT END OF DRILLING ---  
 AFTER DRILLING ---

GEOTECH BH PLOTS WITH WELL - GINT STD US LAB.GDT - 11/10/13 13:22 - F:\DATA\JOBS\15957 TARGET-01 BELLEVUE CENTRAL T2763\GINT\15957-01 BELLEVUE TARGET BORING LOGS.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	PIEZOMETER DETAIL	▲ SPT N VALUE ▲			
							20	40	60	80
							PL	MC	LL	
							20	40	60	80
							□ FINES CONTENT (%) □			
							20	40	60	80
0		(CL) Medium stiff, moist, gray LEAN CLAY with silt and organics [Fill]								
		(SP-SM) Loose, dry, red-brown GRAVELLY POORLY GRADED fine to medium SAND with silt, crushed rock, and rubber tire debris	⊗ SPT 1	67	4-3-2 (5)					
		(CL) Medium stiff to very stiff, moist, gray LEAN CLAY	⊗ SPT 2	25	11-2-50/4"					
		(SP-SM) Dense, moist to wet, light gray GRAVELLY POORLY GRADED fine to medium SAND with silt [Coarse-grained Vashon Till] grades to medium dense	⊗ SPT 3	22	1-10-29 (39)					
10		(SM) Medium dense, moist to wet, light gray GRAVELLY SILTY fine to medium SAND	⊗ SPT 4	28	2-7-11 (18)					
		(SP) Medium dense, saturated, light gray and brown POORLY GRADED fine to coarse SAND, trace gravel	⊗ SPT 5	22	4-8-11 (19)					
		14-inch boulder	⊗ SPT 6	11	10-8-7 (15)					
20		(SP) Very dense, saturated, green to brown GRAVELLY POORLY GRADED fine to medium SAND with cobbles, trace silt	⊗ SPT 7	100	19-32-37 (69)					
		(ML) Hard, moist, gray fine to medium SANDY SILT with clay (Fine-grained Vashon Till)	⊗ SPT 8	89	2-22-36 (58)					
30		grades to trace gravel	⊗ SPT 9	100	24-40-50/3"					
		grades to with gravel	⊗ SPT 10	100	24-40-50/5"					
40			⊗ SPT 11	100	5-50					

Boring completed at 41'  
 Groundwater at 15' during drilling

# SCS ENGINEERS

2405 140th Avenue, Suite 107  
 Bellevue, WA 98005  
 Ph: (800) 727-6393 Fax: (206) 746-6747

PROJECT NO 04218014.00  
 PERSONNEL B Doan S Graber  
 DRILLING CONTRACTOR ESN  
 DRILLING METHOD Geoprobe  
 DRILL RIG MODEL Geoprobe 7800

BORING NO. B-1  
 DATE BEGUN 3/5/18  
 DATE COMPLETED 3/5/18  
 TOTAL DEPTH 13'  
 SHEET 1 OF      
 HOLE DIAMETER 2"

## LOG OF EXPLORATORY BORING

FIELD BORING LOCATION:

### WATER LEVEL DATA

DEPTH				
DATE				
TIME				
BORING DEPTH				
CASING DEPTH				

GROUND ELEVATION  
 DATUM:

### LITHOLOGIC DESCRIPTION

OTHER	BOREHOLE / WELL / PIEZOMETER DETAILS	SAMPLE NUMBER	SAMPLE METHOD	BLOWS/ 6"	RECOVERY	INTERVAL SAMPLED	DEPTH IN FEET	SOIL GROUP USCS SYMBOL
							0	
							2	
							4	
							6	
							8	
							10	
							12	
							14	
							16	
							18	
							20	

0-5' 2' Recovery Brown gravelly silty sand. Moist. Fine grained.  
 5-8' Also brown gravelly silty sand Very moist to wet below 6'  
 DW at 5.90' w/ WL meter.  
 Driller said he hit water @ 6'  
 Sample B-1-7' @ 920  
 8'-10' Gray gravelly silty sand. Wet. Lower silt content than 0-8'. Fine to medium sand.  
 10-13' Sample is mostly wet stuff. Cutting shoe contains Dense gray silty sand. Moist to very moist (Drilling hard @ 11' down)  
 PID = 0.0 at all depths.

6'

**REMARKS:**

\_\_\_ 140# HAMMER \_\_\_ 300# HAMMER \_\_\_ 1.5" ID SPLIT BARREL SAMPLER \_\_\_ 3" ID SPLIT BARREL SAMPLER

# SCS ENGINEERS

2405 140th Avenue, Suite 107  
 Bellevue, WA 98005  
 Ph: (800) 727-6393 Fax: (206) 746-6747

PROJECT NO 04218014.00  
 PERSONNEL S.G. + D.D.  
 DRILLING CONTRACTOR ESN  
 DRILLING METHOD geoprobe  
 DRILL RIG MODEL Geoprobe 7800

BORING NO. B-2  
 DATE BEGUN 3/5/18  
 DATE COMPLETED 3/18/18  
 TOTAL DEPTH 10'  
 SHEET 1 OF 1  
 HOLE DIAMETER \_\_\_\_\_

## LOG OF EXPLORATORY BORING

OTHER	BOREHOLE / WELL / PIEZOMETER DETAILS	SAMPLE NUMBER	SAMPLE METHOD	BLOWS/6"	RECOVERY	INTERVAL SAMPLED	DEPTH IN FEET	SOIL GROUP USCS SYMBOL	WATER LEVEL DATA				FIELD BORING LOCATION:	
									DEPTH	DATE	TIME	BORING DEPTH		CASING DEPTH
										<b>LITHOLOGIC DESCRIPTION</b>				
							0		(D'-5' = 2.5' recovery.) 0'-2' Various colored grey & brown gravelly silty sand. moist					
						2	X		2'-4.5' L. grey fine grained silty sand w/ gravel. Very moist to wet. sample collected at B-2-31 @ 1015					
						4			4.5'-5.5' Dark brown silt w/ fine gravel sand & organics moist					
						6			5.5'-6.5' L. silty fine grained silty sand DW @ 6.7' <del>Dark brown silt w/ fine gravel sand &amp; organics.</del>					
						8			6.5'-9' L. greyish blue silty clay. (till?) Firm.					
						10			9'-10' Multicolored brown silty fine grained sand w/ gravel.					
						12			* Water likely came in from 2.5' - 5.0' depths.					
						14								
						16								
						18								
						20								

**REMARKS:**

\_\_\_\_ 140# HAMMER    \_\_\_\_ 300# HAMMER    \_\_\_\_ =1.5" ID SPLIT BARREL SAMPLER    \_\_\_\_ =3" ID SPLIT BARREL SAMPLER

PID = 0.0 at all depths.

# SCS ENGINEERS

2405 140th Avenue, Suite 107  
 Bellevue, WA 98005  
 Ph: (800) 727-6393 Fax: (206) 746-6747

PROJECT NO 04218014.00  
 PERSONNEL S.L.P.  
 DRILLING CONTRACTOR ESN  
 DRILLING METHOD Geoprobe  
 DRILL RIG MODEL geoprobe 7800

BORING NO. B-3  
 DATE BEGUN 3/5/18  
 DATE COMPLETED 3/5/18  
 TOTAL DEPTH 10'  
 SHEET 1 OF 1  
 HOLE DIAMETER \_\_\_\_\_

## LOG OF EXPLORATORY BORING

OTHER	BOREHOLE / WELL / PIEZOMETER DETAILS	SAMPLE NUMBER	SAMPLE METHOD	BLOWS/6"	RECOVERY	INTERVAL SAMPLED	DEPTH IN FEET	SOIL GROUP USCS SYMBOL	WATER LEVEL DATA				FIELD BORING LOCATION:
									DEPTH	DATE	TIME	BORING DEPTH	
	▽	0.0					0		LITHOLOGIC DESCRIPTION				
		0.3				<del>X</del>	4		0' - 0.4' L. brown gravelly silty sand (fine grained) moist				
		0.0					6		1' - 2.5' L. grey fine grained silty sand w/ gravel, very moist				
		0.0					8		2.5' - 4.0' brownish black silt w/ fine grained sand & organics, w/ black stains, odor - possible source of odor is organics, saturated.				
							10		4.0' L. grey silty clay, Native till, dry moist firm				
							12		- 7.5' DTW = 5.4'				
							14		7.5' - 10.0' L. grey silty fine grained sand moist				
							16		sample taken at B-3-4' @ 1045				
							18						
							20						

**REMARKS:**

\_\_\_\_ 140# HAMMER    \_\_\_\_ 300# HAMMER    \_\_\_\_ =1.5" ID SPLIT BARREL SAMPLER    \_\_\_\_ =3" ID SPLIT BARREL SAMPLER

# SCS ENGINEERS

2405 140th Avenue, Suite 107  
 Bellevue, WA 98005  
 Ph: (800) 727-6393 Fax: (206) 746-6747

PROJECT NO 04218014  
 PERSONNEL S.G.  
 DRILLING CONTRACTOR ESV  
 DRILLING METHOD \_\_\_\_\_  
 DRILL RIG MODEL Geoprobe 7800

BORING NO. B-4  
 DATE BEGUN 3/5/18  
 DATE COMPLETED ↓  
 TOTAL DEPTH 10'  
 SHEET 1 OF 1  
 HOLE DIAMETER \_\_\_\_\_

## LOG OF EXPLORATORY BORING

FIELD BORING LOCATION: \_\_\_\_\_

OTHER	BOREHOLE / WELL / PIEZOMETER DETAILS	SAMPLE NUMBER	SAMPLE METHOD	BLOWS / 6"	RECOVERY	INTERVAL SAMPLED	DEPTH IN FEET	SOIL GROUP USCS SYMBOL
	▽	N/A					0	
		0.0					2	
		0.0					4	
		0.0				X	8	
		0.0					10	
							12	
							14	
							16	
							18	
							20	

WATER LEVEL DATA			
DEPTH			
DATE			
TIME			
BORING DEPTH			
CASING DEPTH			

GROUND ELEVATION \_\_\_\_\_  
 DATUM: \_\_\_\_\_

**LITHOLOGIC DESCRIPTION**

0' - ~~4'~~ 4' L. brown silty sand (fine to med. grain) w/ gravel. moist

4' - 8' Gray silty sand (fine to med. grain) w/ gravel. wet. soft.

8' - 10' transition to drier material. Gray silty fine grained sand w/ gravel & clay. Dry. dense.

Sample collected B-4-7' @ 1130

**REMARKS:**  
 \_\_\_\_\_ 140# HAMMER    \_\_\_\_\_ 300# HAMMER    \_\_\_\_\_ =1.5" ID SPLIT BARREL SAMPLER    \_\_\_\_\_ =3" ID SPLIT BARREL SAMPLER

# SCS ENGINEERS

2405 140th Avenue, Suite 107  
 Bellevue, WA 98005  
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PROJECT NO 04218014.00  
 PERSONNEL S.G.  
 DRILLING CONTRACTOR ESN  
 DRILLING METHOD Geoprobe  
 DRILL RIG MODEL geoprobe 7800

BORING NO. B-5  
 DATE BEGUN 3/5/18  
 DATE COMPLETED 3/5/18  
 TOTAL DEPTH 5'  
 SHEET 1 OF 1  
 HOLE DIAMETER \_\_\_\_\_

## LOG OF EXPLORATORY BORING

OTHER	BOREHOLE / WELL / PIEZOMETER DETAILS	SAMPLE NUMBER <i>FIELD</i>	SAMPLE METHOD	BLOWS/6"	RECOVERY	INTERVAL SAMPLED	DEPTH IN FEET	SOIL GROUP USCS SYMBOL	WATER LEVEL DATA				FIELD BORING LOCATION:	
									DEPTH	DATE	TIME	BORING DEPTH		CASING DEPTH
	▽	0.0					0							
		0.0				X	2							
		0.0					4							
							6							
							8							
							10							
							12							
							14							
							16							
							18							
							20							

0' - 0.5' Pea gravel ~~5'~~ wet.  
 water 2' bgs  
 0.5' transition to till. Grey silty  
 fine grained sand w/ gravel.  
 Dry-Moist, dense.

↓

EOD @ 5'

B-5-0.5' @ 1220

**REMARKS:**  
 \_\_\_\_\_ 140# HAMMER    \_\_\_\_\_ 300# HAMMER    \_\_\_\_\_ =1.5" ID SPLIT BARREL SAMPLER    \_\_\_\_\_ =3" ID SPLIT BARREL SAMPLER

# SCS ENGINEERS

2405 140th Avenue, Suite 107  
 Bellevue, WA 98005  
 Ph: (800) 727-6393 Fax: (206) 746-6747

PROJECT NO 04213014.00  
 PERSONNEL SG  
 DRILLING CONTRACTOR ESN  
 DRILLING METHOD Geoprobe  
 DRILL RIG MODEL geoprobe 7800

BORING NO. B-6  
 DATE BEGUN 3/5/18  
 DATE COMPLETED 3/5/18  
 TOTAL DEPTH 7'  
 SHEET 1 OF 1  
 HOLE DIAMETER \_\_\_\_\_

## LOG OF EXPLORATORY BORING

FIELD BORING LOCATION: \_\_\_\_\_

OTHER	BOREHOLE / WELL / PIEZOMETER DETAILS	SAMPLE NUMBER	SAMPLE METHOD	BLOWS/6"	RECOVERY	INTERVAL SAMPLED	DEPTH IN FEET	SOIL GROUP USCS SYMBOL	WATER LEVEL DATA				LITHOLOGIC DESCRIPTION
									DEPTH	DATE	TIME	BORING DEPTH	
	▽	020					0						First 2" = gravel.
		0.0				X	2						2" - 1.5' L. brown + grey silty fine grained sand w/ gravel. moist.
		0.0					4						1.5' - 5' transition to till. L. grey silty fine grained sand w/ gravel. Dry - moist very dense
		0.0					6						5' - 7' tan colored silty fine grained sand w/ gravel Dry dense.
							8						B-6-1' @ 1240
							10						
							12						
							14						
							16						
							18						
							20						

**REMARKS:**

\_\_\_\_ 140# HAMMER    \_\_\_\_ 300# HAMMER    \_\_\_\_ =1.5" ID SPLIT BARREL SAMPLER    \_\_\_\_ =3" ID SPLIT BARREL SAMPLER



# SCS ENGINEERS

2405 140th Avenue, Suite 107  
 Bellevue, WA 98005  
 Ph: (800) 727-6393 Fax: (206) 746-6747

PROJECT NO 04218014.00  
 PERSONNEL S.G.  
 DRILLING CONTRACTOR ESV  
 DRILLING METHOD gravity 7300  
 DRILL RIG MODEL ↓

BORING NO. B-7  
 DATE BEGUN 3/5/18  
 DATE COMPLETED ↓  
 TOTAL DEPTH 10'  
 SHEET 1 OF 1  
 HOLE DIAMETER \_\_\_\_\_

## LOG OF EXPLORATORY BORING

OTHER	BOREHOLE / WELL / PIEZOMETER DETAILS	SAMPLE NUMBER	SAMPLE METHOD	BLOWS / 6"	RECOVERY	INTERVAL SAMPLED	DEPTH IN FEET	SOIL GROUP USCS SYMBOL	WATER LEVEL DATA				FIELD BORING LOCATION:
									DEPTH	DATE	TIME	BORING DEPTH	
	▽	0.0					0						LITHOLOGIC DESCRIPTION  0'-4' brown + grey silty fine grained sand w/ gravel. moist.  Very moist at 3'-4'.  Transition to till at 4' 4'-6' l. grey silty fine grained sand w/ gravel. dry moist. dense.  6'-10' tanish grey silty fine grained sand w/ gravel. dense. Dry-moist   B-7-4' @ 1315
		0.0				2							
		0.0					4						
		0.0				X	4						
		0.0					6						
		0.0					8						
		0.0					10						
							12						
							14						
							16						
						18							
						20							

**REMARKS:**  
 \_\_\_\_\_ 140# HAMMER    \_\_\_\_\_ 300# HAMMER    \_\_\_\_\_ =1.5" ID SPLIT BARREL SAMPLER    \_\_\_\_\_ =3" ID SPLIT BARREL SAMPLER

# SCS ENGINEERS

2405 140th Avenue, Suite 107  
 Bellevue, WA 98005  
 Ph: (800) 727-6393 Fax: (206) 746-6747

PROJECT NO 04218014.00  
 PERSONNEL SB  
 DRILLING CONTRACTOR ESN  
 DRILLING METHOD Groutlog 7000  
 DRILL RIG MODEL ↓

BORING NO. B-8  
 DATE BEGUN 3/5/18  
 DATE COMPLETED ↓  
 TOTAL DEPTH 5'  
 SHEET 1 OF 1  
 HOLE DIAMETER \_\_\_\_\_

## LOG OF EXPLORATORY BORING

OTHER	BOREHOLE / WELL / PIEZOMETER DETAILS	SAMPLE NUMBER	SAMPLE METHOD	BLOWS/6"	RECOVERY	INTERVAL SAMPLED	DEPTH IN FEET	SOIL GROUP USCS SYMBOL	WATER LEVEL DATA				FIELD BORING LOCATION:  GROUND ELEVATION _____ DATUM: _____	
									DEPTH	DATE	TIME	BORING DEPTH		CASING DEPTH

LITHOLOGIC DESCRIPTION													
	▽	0.0					0		0'-1' Pea gravel. Wet.				
		0.0				X	2		1'-1.5' Dark gray silty sand w/ gravel. wet.				
		0.0					4		1.5'-5.0' L. gray silty sand w/ gravel. Dry-moist, dense (fill)				
		0.0					6		EOB at 5'				
							8		B-3-1' @ <del>1420</del> 1420				
							10						
							12						
							14						
							16						
							18						
							20						

**REMARKS:**  
 \_\_\_\_\_ 140# HAMMER \_\_\_\_\_ 300# HAMMER \_\_\_\_\_ =1.5" ID SPLIT BARREL SAMPLER \_\_\_\_\_ =3" ID SPLIT BARREL SAMPLER

# SCS ENGINEERS

2405 140th Avenue, Suite 107  
 Bellevue, WA 98005  
 Ph: (800) 727-6393 Fax: (206) 746-6747

PROJECT NO 04218014.00  
 PERSONNEL SO.  
 DRILLING CONTRACTOR ESN  
 DRILLING METHOD Geoprobe 7800  
 DRILL RIG MODEL ↓

BORING NO. B-9  
 DATE BEGUN 3/5/18  
 DATE COMPLETED ↓  
 TOTAL DEPTH 4.0'  
 SHEET 1 OF 1  
 HOLE DIAMETER \_\_\_\_\_

## LOG OF EXPLORATORY BORING

OTHER	BOREHOLE / WELL / PIEZOMETER DETAILS	SAMPLE NUMBER <i>PID.</i>	SAMPLE METHOD	BLOWS/6"	RECOVERY	INTERVAL SAMPLED	DEPTH IN FEET	SOIL GROUP USCS SYMBOL	WATER LEVEL DATA				FIELD BORING LOCATION:	
									DEPTH	DATE	TIME			BORING DEPTH
	▽	0.0					0						Top 3" are grey silty sandy gravel. Wet.	
		0.0				X	1							1.5' - 4' Transition to till. Grey silty sand Fine grained w/ gravel. dense dry to moist.
		0.0					2							
		0.0						4						
							6							
							8							Sample B-9-1' @ 1445
							10							
							12							
							14							
							16							
							18							
							20							

**REMARKS:**

\_\_\_\_ 140# HAMMER    \_\_\_\_ 300# HAMMER    \_\_\_\_ =1.5" ID SPLIT BARREL SAMPLER    \_\_\_\_ =3" ID SPLIT BARREL SAMPLER

# SCS ENGINEERS

2405 140th Avenue, Suite 107  
 Bellevue, WA 98005  
 Ph: (800) 727-6393 Fax: (206) 746-6747

PROJECT NO 0421804.00  
 PERSONNEL S.G.  
 DRILLING CONTRACTOR ESN  
 DRILLING METHOD Geoprobe 7800  
 DRILL RIG MODEL ↓

BORING NO. B-10  
 DATE BEGUN 3/5/18  
 DATE COMPLETED ↓  
 TOTAL DEPTH 15'  
 SHEET 1 OF 1  
 HOLE DIAMETER \_\_\_\_\_

## LOG OF EXPLORATORY BORING

OTHER	BOREHOLE / WELL / PIEZOMETER DETAILS	SAMPLE NUMBER	SAMPLE METHOD	BLOWS/6"	RECOVERY	INTERVAL SAMPLED	DEPTH IN FEET	SOIL GROUP USCS SYMBOL	WATER LEVEL DATA				FIELD BORING LOCATION:	
									DEPTH	DATE	TIME	BORING DEPTH		CASING DEPTH
		<u>RID</u>												

LITHOLOGIC DESCRIPTION															
		0.0					0		<p><u>0'-8'</u>                      Brown silty fine grained sand w/ gravel. wet.</p>						
		0.0					2								
		0.0					4								
		0.0					6								
	4	0.0					8		<p><u>8'-12.5'</u> L. grey silty fine grained sand w/ gravel. wet. loose</p>						
		0.0				X	10								
		0.0					12		<p><u>12.5'-15.0'</u> Tannish brown silty fine grained sand w/ gravel. Dense. Dry-moist (fill)</p>						
		0.0					14								
		0.0					16		<p><u>EOB @ 15'</u></p>						
							18		<p><u>Sample B-10-10' @ 1530</u></p>						
							20								

**REMARKS:**  
 \_\_\_\_\_ 140# HAMMER \_\_\_\_\_ 300# HAMMER \_\_\_\_\_ =1.5" ID SPLIT BARREL SAMPLER \_\_\_\_\_ =3" ID SPLIT BARREL SAMPLER

# SCS ENGINEERS

2405 140th Avenue, Suite 107  
 Bellevue, WA 98005  
 Ph: (800) 727-6393 Fax: (206) 746-6747

PROJECT NO 04213014.00  
 PERSONNEL S.G.  
 DRILLING CONTRACTOR ESN  
 DRILLING METHOD Geopac 7800  
 DRILL RIG MODEL ↓

BORING NO. B-11  
 DATE BEGUN 3/6/18  
 DATE COMPLETED 3/6/18  
 TOTAL DEPTH 13'  
 SHEET 1 OF 1  
 HOLE DIAMETER \_\_\_\_\_

## LOG OF EXPLORATORY BORING

OTHER	BOREHOLE / WELL / PIEZOMETER DETAILS	SAMPLE NUMBER	SAMPLE METHOD	BLOWS/ 6"	RECOVERY	INTERVAL SAMPLED	DEPTH IN FEET	SOIL GROUP USCS SYMBOL	WATER LEVEL DATA				FIELD BORING LOCATION:
									DEPTH	DATE	TIME	BORING DEPTH	
	▽	0.0	HID				0						
		0.0					2	SP/SM					
		0.0					4						
		0.0					6						
		0.0					8						
		0.0					10						
		0.0					12						
							14						
							16						
							18						
							20						

top 2" are loose etc.  
 2'-8'  
 Brown silty fine grained sand w/ gravel, loose moist.  
 wet at 2'  
 8'-13'  
 transition to till. Grey sandy silt w/ gravel. dry to moist. dense  
 EOB @ 13'  
 B-11-7' @ 845

**REMARKS:**

\_\_\_\_ 140# HAMMER    \_\_\_\_ 300# HAMMER    \_\_\_\_ =1.5" ID SPLIT BARREL SAMPLER    \_\_\_\_ =3" ID SPLIT BARREL SAMPLER



# SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

## Groundwater Sampling Data Sheet

Project #: 04207033.11 04218, 04.00

Site: Island County Bellevue South

Well ID: MW-B-8

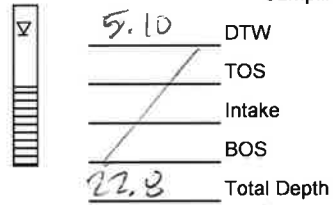
Sample ID: \_\_\_\_\_

Date: 21 12018 3/6/18

Weather: Sunny

Filtered? Y  N  Locked? Y  N  Water in Protector?  Y  N  Damage? Y  N

Sample Containers: 1000 ml Poly 500 ml Poly 250 ml Poly 125 ml Poly  
 500 ml HNO3 x2 500 ml H2SO4 x2 40 ml VOA x3 x6 1000 ml Amber  
 125 ml NaOH



Sampling Method: Dedicated 1.75" QED SamplePro Bail Peristaltic Grab Other

Meter: CONTROL SETTINGS:  
 MP-20  
YSI

1 ft water = 0.62L 1L = 0.24 gallons

Refill \_\_\_\_\_ One Well Volume \_\_\_\_\_ Other: \_\_\_\_\_  
 Discharge \_\_\_\_\_ (liters)  
 Pressure \_\_\_\_\_ Total Volume Bailed \_\_\_\_\_ Flow  
 Flow \_\_\_\_\_ (liters) Setting: \_\_\_\_\_

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1055		14.66	229	1.97	6.32	242.7	111.3	
1100		14.68	232	1.31	6.48	239.5		
1103		14.69	334	0.96	6.67	236.5		
1106		14.84	397	0.62	6.75	214.2		
1109		14.97	424	0.42	6.88	135.2		
1112		14.91	430	0.40	6.88	117.4		
1115		14.80	436	0.39	6.88	108.3	22.18	
1118		14.81	437	0.36	6.88	43.4	21.26	
1121		14.84	446	0.36	6.90	67.6	23.19	

Notes / Observations (color, odor, anomalies, etc):

tubing already in well. replaced w/ new tubing.

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 10% or ≤ 5

SAMPLER: Sam Gruber  
 Printed Name

[Signature]  
 Signature

# SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

## Groundwater Sampling Data Sheet

Project #: <u>04218014.00</u>	Sampling Method: <u>Dedicated</u>	1.75" QED SamplePro	Bail	<u>Recrystallite</u>	Grab	Other
Site: <u>Bellevue South</u>	DTW: <u>3.65</u> <b>**</b>	Meter: <u>MP-20</u>	CONTROL SETTINGS:			
Well ID: <u>MW-HC-5</u>	TOS: <u>/</u>	<u>YSI</u>	1 ft water = 0.62L	1L = 0.24 gallons		
Sample ID: _____	Intake: <u>/</u>	BOS: _____	Refill: <u>/</u>	One Well Volume (liters): _____	Other: _____	
Date: <u>3/6/18</u>	BOS: _____	Total Depth: <u>40.02</u> <b>**</b>	Discharge: <u>/</u>	Total Volume Bailed (liters): _____	Flow Setting: _____	
Weather: <u>sunny</u>	Filtered? Y <u>N</u>	Locked? Y <u>N</u>	Pressure: <u>/</u>	Flow: <u>/</u>		
Sample Containers:	Water in Protector? Y <u>N</u>	Damage? Y <u>N</u>	Notes / Observations (color, odor, anomalies, etc):			
1000 ml Poly	500 ml Poly	250 ml Poly	<p><u>* Artesian</u></p> <p><u>** Stick up = 4.90' above ground surface.</u></p> <p><u>No cap on well, exposed to atmosphere.</u></p> <p><u>green particulates in water, reminiscent of algae</u></p>			
500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6				
125 ml NaOH	125 ml Poly	1000 ml Amber				

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
<u>1150</u>		<u>11.25</u>	<u>299</u>	<u>2.49</u>	<u>7.79</u>	<u>182.1</u>	<u>19.52</u>	
<u>1155</u>		<u>11.02</u>	<u>293</u>	<u>0.96</u>	<u>7.88</u>	<u>178.3</u>		
<u><del>1200</del> 1158</u>		<u>10.93</u>	<u>296</u>	<u>0.31</u>	<u>7.99</u>	<u>173.0</u>	<u>22.73</u>	
<u><del>1203</del> 1201</u>		<u>10.91</u>	<u>296</u>	<u>0.26</u>	<u>8.00</u>	<u>171.7</u>		
<u><del>1206</del> 1204</u>		<u>10.90</u>	<u>296</u>	<u>0.22</u>	<u>8.01</u>	<u>169.5</u>		
<u>1209</u>		<u>10.83</u>	<u>297</u>	<u>0.22</u>	<u>8.00</u>	<u>169.6</u>		
<u>1210</u>	<u>14.20</u>	<u>10.84</u>	<u>297</u>	<u>0.21</u>	<u>8.02</u>	<u>168.3</u>	<u>19.25</u>	

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 10% or ≤ 5

SAMPLER: Sam Graber  
 Printed Name

[Signature]  
 Signature



# SCS ENGINEERS

2405 140th ave NE #107

Bellevue, WA 98005

(425) 746-4600

## Groundwater Sampling Data Sheet

Project #: <u>04218014.00</u>	Sampling Method: <u>Dedicated</u>	1.75" QED SamplePro	Bail	<u>Peristaltic</u>	Grab	Other
Site: <u>Bellevue South</u>	Meter: <u>CONTROL SETTINGS:</u>	1 ft water = 0.62L		1L = 0.24 gallons		
Well ID: <u>MW-HC-3A</u>	MP-20	Refill	One Well Volume (liters)	Other: _____		
Sample ID: _____	<u>YSI</u>	Discharge	Total Volume Bailed (liters)	Flow Setting: _____		
Date: <u>3/6/18</u>	BOS	Pressure				
Weather: <u>Sunny</u>	Total Depth: <u>9.70</u>	Flow				
Filtered? Y <input checked="" type="checkbox"/> N	Locked? Y <input checked="" type="checkbox"/> N	Water in Protector? <input checked="" type="checkbox"/> N	Damage? Y <input checked="" type="checkbox"/> N			
Sample Containers:	1000 ml Poly	500 ml Poly	250 ml Poly	125 ml Poly		
	500 ml HNO3 x2	500 ml H2SO4 x2	40 ml VOA x3 x6	1000 ml Amber		
	125 ml NaOH					

TIME	DTW	Temp.	Sp.Cond.	DO	pH	Eh	Turbidity	Q / Vol.
1240		10.31	164	4.37	7.44	206.6	23.53	
1245	4.18	10.51	158	3.38	6.85	217.0		
1248	4.30	10.39	159	3.29	6.69	219.9		<del>4.18</del>
1251		10.44	159	3.13	6.61	221.6		
1254	4.40	10.45	158	3.32	6.57	223.6	15.59	
1257		10.57	158	3.19	6.51	226.1		
1300	4.53	10.62	157	3.26	6.51	228.1	17.37	<del>4.53</del>

Notes / Observations (color, odor, anomalies, etc):

HC-4A  
DTW: 3.30

Stabilization Parameters: pH/DO ± 0.2, SpC ± 10%, Temp ± 0.5°C, Turb. ± 10% or ≤ 5

SAMPLER: Sam Graber  
Printed Name

[Signature]  
Signature

## GROUNDWATER SAMPLING INSTRUMENT CALIBRATION DOCUMENTATION FORM

	Conductivity	pH4	pH 7	DO	Turbidity	Comments/Exceptions
Date	3/6/18					
Time	1015					
Weather (sky or precip, temp)	Sunny					
Type of Calibration	Standard	Standard	Standard	Standard	Standard	
Standard Value	1413	4.01	7.00	100% or ~8.5	1000, 10, 0.2 800, 100, 20, <0.1	
Pre-Cal Reading	1404	4.21	6.98	6.87		
Post Cal Reading	1413	4.01	7.00		951, 9.02, 0.22	
Discrepancy	No					
Calib. Successful?	Yes					
Calibration by	SEB					
Instrument Type, ID	MP20 / YSI 556			MicoTPW / HACH2000		
Calibration Location	Bellave Santa					

\* If Direct Reading is Unavailable, Assume pressure = 760 mm - 2.5 (altitude in ft/100)

Date	Load #	Tons	Running Total
18-Jun	1	25.19	25.19
	2	29.44	54.63
	3	27.25	81.88
	4	27.98	109.86
	5	27.91	137.77
	6	29.04	166.81
	7	28.17	194.98
	8	33.81	228.79
	9	29.79	258.58
	10	25.84	284.42
	11	12.93	297.35
10-Jul	1	29.05	29.05
	2	31.04	60.09
	3	40.2	100.29
11-Jul	1	36.78	36.78
12-Jul	1	29.44	29.44
	2	35.29	64.73
	3	33.24	97.97
	4	25.71	123.68
	5	28.53	152.21
	6	27.83	180.04
	1	39.20	219.24
	2	29.36	248.6
	3	31.99	280.59
13-Jul	1	31.71	31.71
	2	30.14	61.85
	3	28.14	89.99
	4	27.2	117.19
	5	31.94	149.13
	6	27.73	176.86
16-Jul	1	25.86	25.86
	2	28.23	54.09
	3	30.81	84.9
	4	26.81	111.71
	5	27.73	139.44
Total			1031.31

800600

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**WEIGHMASTER STATION**  
 98781100  
 Everett S&G  
 6300 Glenwood Avenue  
 Everett, WA 98213

TICKET NO.	1124024065		TICKET TIME	11:23:09	DATE	6/18/2018	
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC	
Customer Job No.		Customer P.O.	18005		Map Ref.	Disp. Ord. #	
Truck Type	Side Dump	Truck No.	NEWX10SD		Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Hauler/Carrier No.		Driver's Name	Delivered/Ordered	-166.81 /	Load No.	6	Running Total
							-166.81

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE

**CADMAN**  
 HEIDELBERGCEMENT  
 www.cadman.com



Product	Description	Total	Unit Price	Amount													
99005	CLASS 3 SOILS (TN)	29.04															
<table border="1"> <tr> <td>SCALE WEIGHT</td> <td>GROSS &amp; TARE</td> <td rowspan="3"> <b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>   <b>LIABILITY WAIVER</b>            Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.         </td> <td>Fuel Surcharge</td> </tr> <tr> <td>Gross 97,260 LB</td> <td> <input type="checkbox"/> Scale 1    <input checked="" type="checkbox"/> Scale 2         </td> <td>Sales Tax</td> </tr> <tr> <td>Tare 39,180 LB/P.T.*</td> <td> <input checked="" type="checkbox"/> Harrington, Cate            Deputy Weighmaster         </td> <td><b>Total</b></td> </tr> <tr> <td>Net 58,080 LB</td> <td></td> <td></td> <td></td> </tr> </table>		SCALE WEIGHT	GROSS & TARE	<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge	Gross 97,260 LB	<input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2	Sales Tax	Tare 39,180 LB/P.T.*	<input checked="" type="checkbox"/> Harrington, Cate Deputy Weighmaster	<b>Total</b>	Net 58,080 LB					
SCALE WEIGHT	GROSS & TARE	<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge														
Gross 97,260 LB	<input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2		Sales Tax														
Tare 39,180 LB/P.T.*	<input checked="" type="checkbox"/> Harrington, Cate Deputy Weighmaster		<b>Total</b>														
Net 58,080 LB																	
<input type="checkbox"/> No one available to sign, customer waives receipt signature. <input checked="" type="checkbox"/> Received by Signature		Print Name (Customer)	Driver's Signature	Standby Time													
		X	X														
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials													
				X													
				<b>This Tickets Grand Total</b>													

800 600

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**WEIGHMASTER STATION**  
 98781100  
 Everett S&G  
 6300 Glenwood Avenue  
 Everett, WA 98213

TICKET NO.	1124024140		TICKET TIME	13:49:01	DATE	6/18/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Order No.						10074797
Customer Job. No.	Customer P.O.		Map Ref.	Disp. Ord. #		
	18005		/			
Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone		
Side Dump	NEWX10SD					
Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total		
		-284.42 /	10	-284.42		

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	25.84		

<b>SCALE WEIGHT</b>		<b>GROSS &amp; TARE</b>		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge
Gross	90,860 LB	<input type="checkbox"/> Scale 1	<input checked="" type="checkbox"/> Scale 2		Sales Tax
Tare	39,180 LB/P.T.*	X Regan, Angelique			<b>Total</b>
Net	51,680 LB	Deputy Weighmaster			
No one available to sign, customer waives receipt signature.	Received by Signature	Print Name (Customer)	Driver's Signature	Standby Time	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	X		
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials	This Tickets Grand Total
				X	

800 600

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**WEIGHMASTER STATION**  
 98781100  
 Everett S&G  
 6300 Glenwood Avenue  
 Everett, WA 98213

TICKET NO.	1124024057		TICKET TIME	11:07:41	DATE	6/18/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job No.	Customer P.O.	18005		Map Ref.	/	Order No.
Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone		
Truck & Trailer	WOLD8TT		WOLD8BT			
Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total		
		-137.77 /	5	-137.77		

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	27.91		

<b>SCALE WEIGHT</b>		<b>GROSS &amp; TARE</b>		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b> <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge
Gross	96,820 LB	<input type="checkbox"/> Scale 1	<input checked="" type="checkbox"/> Scale 2		Sales Tax
Tare	41,000 LB/P.T.*	X Regan, Angelique Deputy Weighmaster			<b>Total</b>
Net	55,820 LB	<input type="checkbox"/> No one available to sign, customer waives receipt signature.		<input checked="" type="checkbox"/> Received by Signature Print Name (Customer) X	Driver's Signature X Customer's Initials X
Arrive Job	Start Unloading	Finish Unloading	Standby Time	<b>This Tickets Grand Total</b>	

800600

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 HEIDELBERGCEMENTGroup®  
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**WEIGHMASTER STATION**  
 98781100  
 Everett S&G  
 6300 Glenwood Avenue  
 Everett, WA 98213

TICKET NO.	1124023979		TICKET TIME	08:07:10	DATE	6/18/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job No.	18005	Customer P.O.	18005		Map Ref.	/
Truck Type	Truck & Trailer	Truck No.	WOLD8TT		Trailer or License Plate No.	WOLD8BT
Hauler/Carrier No.		Driver's Name			Delivered/Ordered	25.19 /
					Load No.	1
					Running Total	-25.19

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	25.19		

<b>SCALE WEIGHT</b>		<b>GROSS &amp; TARE</b>		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge
Gross	91,380 LB	<input type="checkbox"/> Scale 1	<input checked="" type="checkbox"/> Scale 2		Sales Tax
Tare	41,000 LB/P.T.*	X Regan, Angelique		<b>Total</b>	
Net	50,380 LB	Deputy Weighmaster			
No one available to sign, customer waives receipt signature.	<input type="checkbox"/>	Received by Signature	<input checked="" type="checkbox"/>	Print Name (Customer)	Driver's Signature
Arrive Job		Start Unloading		Finish Unloading	Standby Time
					Customer's Initials
					X
					<b>This Tickets Grand Total</b>

800600

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**WEIGHMASTER STATION**  
 98781100  
 Everett S&G  
 6300 Glenwood Avenue  
 Everett, WA 98213

TICKET NO.	1124024113		TICKET TIME	13:01:59	DATE	6/18/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job. No.	18005	Customer P.O.	18005		Map Ref.	/
Truck Type	Truck & Trailer	Truck No.	WOLD8TT	Vehicle or License Plate No.	Trailer or License Plate No.	WOLD8BT
Hauler/Carrier No.		Driver's Name		Delivered/Ordered	-258.58 /	Load No. 9
						Running Total -258.58

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	29.79		

<b>SCALE WEIGHT</b>		<b>GROSS &amp; TARE</b>		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge
100,580 LB Gross _____ 41,000 LB/P.T.* Tare _____ 59,580 LB Net _____		<input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2 Regan, Angelique Deputy Weighmaster			Sales Tax
<input type="checkbox"/> No one available to sign, customer waives receipt signature.		<input checked="" type="checkbox"/> Received by Signature		<input checked="" type="checkbox"/> Print Name (Customer)	<input checked="" type="checkbox"/> Driver's Signature
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials	<b>Total</b> <b>Standby Time</b> <b>This Ticket's Grand Total</b>

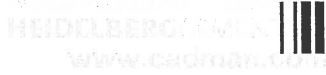




**WEIGHMASTER STATION**  
 98781100  
 Everett S&G  
 6300 Glenwood Avenue  
 Everett, WA 98213

TICKET NO.	1124024082		TICKET TIME	11:56:26	DATE	6/18/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job No.	18005	Customer P.O.	18005		Map Ref.	/
Truck Type	Side Dump	Truck No.	WCW20TT	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Hauler/Carrier No.		Driver's Name		Delivered/Ordered	Load No.	Running Total
				-194.98 /	7	-194.98

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	28.17		

SCALE WEIGHT	GROSS & TARE	<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge	
Gross 98,540 LB	<input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2		Sales Tax	
Tare 42,200 LB/P.T.*	X Harrington, Catherine Deputy Weighmaster		<b>Total</b>	
Net 56,340 LB			Standby Time	
No one available to sign, customer waives receipt signature. <input type="checkbox"/>	Received by Signature <input checked="" type="checkbox"/>	Print Name (Customer) X	Driver's Signature X	
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials X
				<b>This Tickets Grand Total</b>



**WEIGHMASTER STATION**  
 98781100  
 Everett S&G  
 6300 Glenwood Avenue  
 Everett, WA 98213

TICKET NO.	1124024002		TICKET TIME	08:59:23	DATE	6/18/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job No.	18005	Customer P.O.	18005		Map Ref.	/
Truck Type	Side Dump	Truck No.	WCW20TT	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Hauler/Carrier No.		Driver's Name		Delivered/Ordered	Load No.	Running Total
				-81.88 /	3	-81.88

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	27.25		

SCALE WEIGHT	GROSS & TARE	<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge	
Gross 96,700 LB	<input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2		Sales Tax	
Tare 42,200 LB/P.T.*	X Regan, Angelique Deputy Weighmaster		<b>Total</b>	
Net 54,500 LB			Standby Time	
No one available to sign, customer waives receipt signature. <input type="checkbox"/>	Received by Signature <input checked="" type="checkbox"/>	Print Name (Customer) X	Driver's Signature X	
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials X
				<b>This Tickets Grand Total</b>



**WEIGHMASTER STATION**  
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 6300 Glenwood Avenue  
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TICKET NO.	1124024091		TICKET TIME	12:12:47	DATE	6/18/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job No.	Customer P.O.	18005		Map Ref.	/	
Truck Type	Super Solo	Truck No.	GRO2384TT	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Hauler/Carrier No.	Driver's Name	Delivered/Ordered	-228.79 /	Load No.	8	Running Total
						-228.79

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	33.81		

SCALE WEIGHT	GROSS & TARE	<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge		
Gross 110,760 LB	<input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2		Sales Tax		
Tare 43,140 LB/P.T.*	X Regan, Angelique Deputy Weighmaster		<b>Total</b>		
Net 67,620 LB					
No one available to sign, customer waives receipt signature. <input type="checkbox"/>	Received by Signature <input checked="" type="checkbox"/>	Print Name (Customer) X	Driver's Signature X		
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials X	<b>This Tickets Grand Total</b>



**WEIGHMASTER STATION**  
 98781100  
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 Everett, WA 98213

TICKET NO.	1124023989		TICKET TIME	08:28:10	DATE	6/18/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job No.	Customer P.O.	18005		Map Ref.	/	
Truck Type	Super Solo	Truck No.	GRO2384TT	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Hauler/Carrier No.	Driver's Name	Delivered/Ordered	-54.63 /	Load No.	2	Running Total
						-54.63

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	29.44		

SCALE WEIGHT	GROSS & TARE	<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge		
Gross 102,020 LB	<input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2		Sales Tax		
Tare 43,140 LB/P.T.*	X Regan, Angelique Deputy Weighmaster		<b>Total</b>		
Net 58,880 LB					
No one available to sign, customer waives receipt signature. <input type="checkbox"/>	Received by Signature <input checked="" type="checkbox"/>	Print Name (Customer) X	Driver's Signature X		
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials X	<b>This Tickets Grand Total</b>



**WEIGHMASTER STATION**  
98781100  
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Everett, WA 98213

TICKET NO.	1124024161		TICKET TIME	14:55:02	DATE	6/18/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job No.	18005	Customer P.O.	Map Ref.	Disp. Ord. #		
Truck Type	Super Solo	Truck No.	GRO2384TT	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Hauler/Carrier No.		Driver's Name	Delivered/Ordered	-297.35 /	Load No.	11
				Running Total	-297.35	

EV/P - J#18005 BELLEVUE SOUTH  
306 116TH AVE NE  
BELLEVUE

LAST LOAD 6/18/18

JR HAYES # 48497

Grand Force # 0050



Product	Description	Total	Unit Price	Amount		
99005	CLASS 3 SOILS (TN)	12.93				
<b>SCALE WEIGHT</b> Gross 69,000 LB Tare 43,140 LB/P.T.* Net 25,860 LB		<b>GROSS &amp; TARE</b> <input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2 X Regan, Angelique Deputy Weighmaster		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> 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 <b>Total</b>	
<input type="checkbox"/> No one available to sign, customer waives receipt signature.		<input checked="" type="checkbox"/> Received by Signature		Print Name (Customer) X	Driver's Signature X	Standby Time
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials	<b>This Tickets Grand Total</b>	



**WEIGHMASTER STATION**  
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TICKET NO.	1124024014		TICKET TIME	09:20:53	DATE	6/18/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job No.	18005	Customer P.O.	Map Ref.	Disp. Ord. #		
Truck Type	Side Dump	Truck No.	NEWX10SD	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Hauler/Carrier No.		Driver's Name	Delivered/Ordered	-109.86 /	Load No.	4
				Running Total	-109.86	

EV/P - J#18005 BELLEVUE SOUTH  
306 116TH AVE NE  
BELLEVUE



Product	Description	Total	Unit Price	Amount		
99005	CLASS 3 SOILS (TN)	27.98				
<b>SCALE WEIGHT</b> Gross 95,140 LB Tare 39,180 LB/P.T.* Net 55,960 LB		<b>GROSS &amp; TARE</b> <input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 X Harrington, Cate Deputy Weighmaster		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> 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 <b>Total</b>	
<input type="checkbox"/> No one available to sign, customer waives receipt signature.		<input checked="" type="checkbox"/> Received by Signature		Print Name (Customer) X	Driver's Signature X	Standby Time
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials	<b>This Tickets Grand Total</b>	



**WEIGHMASTER STATION**  
98781100  
Everett S&G  
6300 Glenwood Avenue  
Everett, WA 98213

TICKET NO.	1124026865	TICKET TIME	08:35:54	DATE	7/10/2018
Customer No.	7846615	Payment Type	Account	Customer Name	J R HAYES & SONS INC
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	
Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total	
		-29.05 /	1	-29.05	

EV/P - J#18005 BELLEVUE SOUTH  
306 116TH AVE NE  
BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	29.05		

SCALE WEIGHT	GROSS & TARE	<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge		
Gross 98,620 LB	<input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2 Regan, Angelique Deputy Weighmaster		Sales Tax		
Tare 40,520 LB/P.T.*			Total		
Net 58,100 LB			Standby Time		
No one available to sign, customer waives receipt signature. <input type="checkbox"/>	Received by Signature <input checked="" type="checkbox"/>	Print Name (Customer) X	Driver's Signature X	Customer's Initials X	<b>This Tickets Grand Total</b>
Arrive Job	Start Unloading	Finish Unloading	Standby Time		



**WEIGHMASTER STATION**  
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Everett, WA 98213

TICKET NO.	1124026871	TICKET TIME	08:55:51	DATE	7/10/2018
Customer No.	7846615	Payment Type	Account	Customer Name	J R HAYES & SONS INC
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	
Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total	
		-60.09 /	2	-60.09	

EV/P - J#18005 BELLEVUE SOUTH  
306 116TH AVE NE  
BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	31.04		

SCALE WEIGHT	GROSS & TARE	<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge		
Gross 101,020 LB	<input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 Regan, Angelique Deputy Weighmaster		Sales Tax		
Tare 38,940 LB/P.T.			Total		
Net 62,080 LB			Standby Time		
No one available to sign, customer waives receipt signature. <input type="checkbox"/>	Received by Signature <input checked="" type="checkbox"/>	Print Name (Customer) X	Driver's Signature X	Customer's Initials X	<b>This Tickets Grand Total</b>
Arrive Job	Start Unloading	Finish Unloading	Standby Time		

800600

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Everett, WA 98213

TICKET NO.	1124027038		TICKET TIME	15:09:23	DATE	7/10/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Order No.						10074797
Customer Job No.	Customer P.O.		Map Ref.	Disp. Ord. #		
		18005				
Truck Type	Side Dump	Truck No.	GRO7178SD	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Hauler/Carrier No.	Driver's Name		Delivered/Ordered	Load No.	Running Total	
				-100.29 /	3	-100.29

EV/P - J#18005 BELLEVUE SOUTH  
306 116TH AVE NE  
BELLEVUE

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Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	40.20		

SCALE WEIGHT		GROSS & TARE		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> <b>Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.</b>	Fuel Surcharge
Gross	116,020 LB	<input checked="" type="checkbox"/> Scale 1	<input type="checkbox"/> Scale 2		Sales Tax
Tare	35,620 LB/P.T.	X Regan, Angelique			<b>Total</b>
Net	80,400 LB	Deputy Weighmaster			
No one available to sign, customer waives receipt signature.		Received by Signature		Print Name (Customer)	Driver's Signature
<input type="checkbox"/>		X		X	X
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials	<b>This Tickets Grand Total</b>
				X	

800600

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**WEIGHMASTER STATION**  
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 Everett, WA 98213

TICKET NO.	1124027086		TICKET TIME	08:09:02	DATE	7/11/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job No.		Customer P.O.	18005		Map Ref.	/
Truck Type	Super Solo	Truck No.	CHA6TT	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Hauler/Carrier No.		Driver's Name		Delivered/Ordered	Load No.	Running Total
				-36.78 /	1	-36.78

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE

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Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	36.78		

SCALE WEIGHT		GROSS & TARE		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER:</b> <b>Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.</b>	Fuel Surcharge
Gross	114,240 LB	<input type="checkbox"/> Scale 1	<input checked="" type="checkbox"/> Scale 2		Sales Tax
Tare	40,680 LB/P.T.*	<input checked="" type="checkbox"/> Regan, Angelique Deputy Weighmaster			<b>Total</b>
Net	73,560 LB	<input type="checkbox"/> No one available to sign, customer waives receipt signature.		Print Name (Customer)	Driver's Signature
		<input checked="" type="checkbox"/> Received by Signature		X	X
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials	<b>This Tickets Grand Total</b>
				X	



**WEIGHMASTER STATION**  
98781100  
Everett S&G  
6300 Glenwood Avenue  
Everett, WA 98213

TICKET NO.	1124027412		TICKET TIME	11:59:36	DATE	7/12/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job. No.		Customer P.O.	18005		Map Ref.	Disp. Ord. #
Truck Type	Truck & Trailer		Truck No.	WCW4TT	Vehicle or License Plate No.	Trailer or License Plate No.
Hauler/Carrier No.		Driver's Name	Delivered/Ordered	-123.68 /	Load No.	4
					Running Total	-123.68

EV/P - J#18005 BELLEVUE SOUTH  
306 116TH AVE NE  
BELLEVUE



Product	Description	Total	Unit Price	Amount	
99005	CLASS 3 SOILS (TN)	25.71			
<b>SCALE WEIGHT</b> Gross 88,420 LB Tare 37,000 LB/P.T.* Net 51,420 LB		<b>GROSS &amp; TARE</b> <input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2 X Regan, Angelique Deputy Weighmaster		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> 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 <b>Total</b>
No one available to sign, customer waives receipt signature. <input type="checkbox"/> X Received by Signature		Print Name (Customer) X Driver's Signature X	Standby Time Customer's Initials X	<b>This Tickets Grand Total</b>	
Arrive Job	Start Unloading	Finish Unloading	Standby Time		



**WEIGHMASTER STATION**  
98781100  
Everett S&G  
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Everett, WA 98213

TICKET NO.	1124027348		TICKET TIME	09:51:11	DATE	7/12/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job. No.		Customer P.O.	18005		Map Ref.	Disp. Ord. #
Truck Type	Truck & Trailer		Truck No.	WCW4TT	Vehicle or License Plate No.	Trailer or License Plate No.
Hauler/Carrier No.		Driver's Name	Delivered/Ordered	-97.97 /	Load No.	3
					Running Total	-97.97

EV/P - J#18005 BELLEVUE SOUTH  
306 116TH AVE NE  
BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	33.24		
<b>SCALE WEIGHT</b> Gross 103,480 LB Tare 37,000 LB/P.T.* Net 66,480 LB		<b>GROSS &amp; TARE</b> <input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 X Regan, Angelique Deputy Weighmaster		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.
No one available to sign, customer waives receipt signature. <input type="checkbox"/> X Received by Signature		Print Name (Customer) X Driver's Signature X	Standby Time Customer's Initials X	<b>This Tickets Grand Total</b>
Arrive Job	Start Unloading	Finish Unloading	Standby Time	

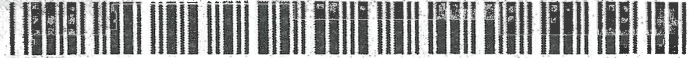


800600

TICKET NO.	1124027477	TICKET TIME	14:03:43	DATE	7/12/2018
Customer No.	7846615	Payment Type	Account	Customer Name	J R HAYES & SONS INC
Customer Job No.	Customer P.O.	Map Ref.	Disp. Ord. #	Order No. 10074797	
	18005	/			
Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone	
Truck & Trailer	WCW4TT				
Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total	
		-152.21 /	5	-152.21	

**WEIGHMASTER STATION**  
 98781100  
 Everett S&G  
 6300 Glenwood Avenue  
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EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE



Product	Description	Total	Unit Price	Amount	
99005	CLASS 3 SOILS (TN)	28.53			
SCALE WEIGHT		GROSS & TARE		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b> <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	
Gross	94,060 LB				Fuel Surcharge
Tare	37,000 LB/P.T.*				Sales Tax
Net	57,060 LB			<b>Total</b>	
<input type="checkbox"/> No one available to sign, customer waives receipt signature.		<input checked="" type="checkbox"/> Received by Signature		Print Name (Customer)	
				Driver's Signature	
				Customer's Initials	
Arrive Job	Start Unloading	Finish Unloading	Standby Time	<b>This Tickets Grand Total</b>	
				X	



800600

TICKET NO.	1124027302	TICKET TIME	08:00:09	DATE	7/12/2018
Customer No.	7846615	Payment Type	Account	Customer Name	J R HAYES & SONS INC
Customer Job No.	Customer P.O.	Map Ref.	Disp. Ord. #	Order No. 10074797	
	18005	/			
Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone	
Truck & Trailer	WCW20TT				
Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total	
		-29.44 /	1	-29.44	

**WEIGHMASTER STATION**  
 98781100  
 Everett S&G  
 6300 Glenwood Avenue  
 Everett, WA 98213

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE



Product	Description	Total	Unit Price	Amount	
99005	CLASS 3 SOILS (TN)	29.44			
SCALE WEIGHT		GROSS & TARE		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b> <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	
Gross	101,080 LB				Fuel Surcharge
Tare	42,200 LB/P.T.*				Sales Tax
Net	58,880 LB			<b>Total</b>	
<input type="checkbox"/> No one available to sign, customer waives receipt signature.		<input checked="" type="checkbox"/> Received by Signature		Print Name (Customer)	
				Driver's Signature	
				Customer's Initials	
Arrive Job	Start Unloading	Finish Unloading	Standby Time	<b>This Tickets Grand Total</b>	
				X	





**WEIGHMASTER STATION**  
 98781100  
 Everett S&G  
 6300 Glenwood Avenue  
 Everett, WA 98213

TICKET NO.	1124027303		TICKET TIME	08:02:39	DATE	7/12/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job. No.		Customer P.O.	18005		Map Ref.	/
Truck Type	Truck & Trailer		Truck No.	WCW22TT	Trailer or License Plate No.	WCW22B
Hauler/Carrier No.		Driver's Name	Delivered/Ordered	-64.73 /	Load No.	2
					Running Total	-64.73

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	35.29		

SCALE WEIGHT		GROSS & TARE		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge
Gross	110,560 LB	<input type="checkbox"/> Scale 1	<input checked="" type="checkbox"/> Scale 2		Sales Tax
Tare	39,980 LB/P.T.	<input checked="" type="checkbox"/> Regan, Angelique Deputy Weighmaster			<b>Total</b>
Net	70,580 LB	No one available to sign, customer waives receipt signature. <input type="checkbox"/> Received by Signature <input checked="" type="checkbox"/>			Standby Time
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials	<b>This Tickets Grand Total</b>



**WEIGHMASTER STATION**  
 98781100  
 Everett S&G  
 6300 Glenwood Avenue  
 Everett, WA 98213

TICKET NO.	1124027478		TICKET TIME	14:05:34	DATE	7/12/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job. No.		Customer P.O.	18005		Map Ref.	/
Truck Type	Truck & Trailer		Truck No.	WCW22TT	Trailer or License Plate No.	WCW22B
Hauler/Carrier No.		Driver's Name	Delivered/Ordered	-180.04 /	Load No.	6
					Running Total	-180.04

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	27.83		

SCALE WEIGHT		GROSS & TARE		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge
Gross	95,640 LB	<input type="checkbox"/> Scale 1	<input checked="" type="checkbox"/> Scale 2		Sales Tax
Tare	39,980 LB/P.T.*	<input checked="" type="checkbox"/> Harrington, Cate Deputy Weighmaster			<b>Total</b>
Net	55,660 LB	No one available to sign, customer waives receipt signature. <input type="checkbox"/> Received by Signature <input checked="" type="checkbox"/>			Standby Time
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials	<b>This Tickets Grand Total</b>

800600

**CADMAN**  
 HEIDELBERGCEMENT Group  
 800-322-6847 425-961-7100

**WEIGHMASTER STATION**  
 98781100  
 Everett S&G  
 6300 Gleenwood Avenue  
 Everett, WA 98213

TICKET NO.	1124027383		TICKET TIME	11:01:04	DATE	7/12/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R JAYES & SONS INC
Customer Job. No.	18005	Customer P.O.	18005		Map Ref.	Disp. Ord. #
Truck Type	Truck & Trailer	Truck No.	WCW20TT	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Hauler/Carrier No.	Driver's Name	Delivered/Ordered	29.36	Load No.	2	Running Total 29.36

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE

Product	Description	Total	Unit Price	Amount											
99005	CLASS 3 SOILS (TN)	29.36													
<table border="1"> <tr> <td colspan="2">SCALE WEIGHT</td> <td colspan="2">GROSS &amp; TARE</td> </tr> <tr> <td>Gross</td> <td>100,920 LB</td> <td rowspan="3"> <input checked="" type="checkbox"/> Scale 1  <input type="checkbox"/> Scale 2            X Regan, Angelique            Deputy Weighmaster         </td> <td rowspan="3"> <b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>   <b>LIABILITY WAIVER</b>            Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.         </td> </tr> <tr> <td>Tare</td> <td>42,200 LB/P.T.*</td> </tr> <tr> <td>Net</td> <td>58,720 LB</td> </tr> </table>		SCALE WEIGHT		GROSS & TARE		Gross	100,920 LB	<input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 X Regan, Angelique Deputy Weighmaster	<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Tare	42,200 LB/P.T.*	Net	58,720 LB	Fuel Surcharge	
SCALE WEIGHT		GROSS & TARE													
Gross	100,920 LB	<input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 X Regan, Angelique Deputy Weighmaster	<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.												
Tare	42,200 LB/P.T.*														
Net	58,720 LB														
<input type="checkbox"/> No one available to sign, customer waives receipt signature.		Received by Signature	Print Name (Customer)	Driver's Signature											
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's initials											
				<b>Total</b>											
				Standby Time											
				<b>This Ticket's Grand Total</b>											

800600

**CADMAN**  
 HEIDELBERGCEMENTGOLD  
 800-322-6847 425-961-7100

**WEIGHMASTER STATION**  
 98781100  
 Everett S&G  
 6300 Glenwood Avenue  
 Everett, WA 98213

TICKET NO.	1124027448		TICKET TIME	13:16:43 PM	DATE	7/12/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R JAYES & SONS INC
Customer Job No.	Customer P.O.		Map Ref.		Order No.	
	18005				10074797	
Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone		
Truck & Trailer	WCW20TT					
Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total		
		31.99	3	31.99		

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE

Product	Description	Total	Unit Price	Amount										
99005	CLASS 3 SOILS (TN)	31.99												
<table border="1"> <tr> <td>SCALE WEIGHT</td> <td>GROSS &amp; TARE</td> <td rowspan="4"> <b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b>            Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.         </td> <td>Fuel Surcharge</td> </tr> <tr> <td>Gross 106,180 LB</td> <td rowspan="3"> <input checked="" type="checkbox"/> Scale 1  <input type="checkbox"/> Scale 2            Regan, Angelique            Deputy Weighmaster         </td> <td>Sales Tax</td> </tr> <tr> <td>Tare 42,200 LB/P.T.*</td> <td><b>Total</b></td> </tr> <tr> <td>Net 63,980 LB</td> <td></td> </tr> </table>		SCALE WEIGHT	GROSS & TARE	<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b> <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge	Gross 106,180 LB	<input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 Regan, Angelique Deputy Weighmaster	Sales Tax	Tare 42,200 LB/P.T.*	<b>Total</b>	Net 63,980 LB			
SCALE WEIGHT	GROSS & TARE	<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b> <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge											
Gross 106,180 LB	<input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 Regan, Angelique Deputy Weighmaster		Sales Tax											
Tare 42,200 LB/P.T.*			<b>Total</b>											
Net 63,980 LB														
<table border="1"> <tr> <td>No one available to sign, customer waives receipt signature.</td> <td>Received by Signature</td> <td>Print Name (Customer)</td> <td>Driver's Signature</td> <td>Standby Time</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td>X</td> <td>X</td> <td></td> </tr> </table>		No one available to sign, customer waives receipt signature.	Received by Signature	Print Name (Customer)	Driver's Signature	Standby Time	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	X				
No one available to sign, customer waives receipt signature.	Received by Signature	Print Name (Customer)	Driver's Signature	Standby Time										
<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	X											
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials	This Tickets Grand Total									
				X										

800600

# CADMAN

HEIDELBERGCEMENT Group  
800-322-6847 425-961-7100

## WEIGHMASTER STATION

98781100  
Everett S&G  
6300 Glenwood Avenue  
Everett, WA 98213

TICKET NO.	1124027372		TICKET TIME	10:39:37	DATE	7/12/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R JAYES & SONS INC
					Order No.	10074797
Customer Job No.	Customer P.O.		Map Ref.	Disp. Ord. #		
	18005					
Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone		
Truck & Trailer	WCW22TT					
Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total		
		39.20	1	39.20		

EV/P - J#18005 BELLEVUE SOUTH  
306 116TH AVE NE  
BELLEVUE

Product	Description	Total	Unit Price	Amount							
99005	CLASS 3 SOILS (TN)	39.20									
<table border="1"> <tr> <th>SCALE WEIGHT</th> <th>GROSS &amp; TARE</th> </tr> <tr> <td>Gross 118,380 LB</td> <td rowspan="4"> <input checked="" type="checkbox"/> Scale 1  <input type="checkbox"/> Scale 2            X Regan, Angelique            Deputy Weighmaster         </td> </tr> <tr> <td>Tare 39,980 LB/P.T.*</td> </tr> <tr> <td>Net 78,400 LB</td> </tr> <tr> <td></td> </tr> </table>		SCALE WEIGHT	GROSS & TARE	Gross 118,380 LB	<input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 X Regan, Angelique Deputy Weighmaster	Tare 39,980 LB/P.T.*	Net 78,400 LB		A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME. <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.		
SCALE WEIGHT	GROSS & TARE										
Gross 118,380 LB	<input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 X Regan, Angelique Deputy Weighmaster										
Tare 39,980 LB/P.T.*											
Net 78,400 LB											
<input type="checkbox"/> No one available to sign, customer waives receipt signature.		Received by Signature	Print Name (Customer)	Driver's Signature	Fuel Surcharge						
			X	X	Sales Tax						
					<b>Total</b>						
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials	Standby Time						
				X							
					<b>This Tickets Grand Total</b>						



**WEIGHMASTER STATION**  
 98781100  
 Everett S&G  
 6300 Glenwood Avenue  
 Everett, WA 98213

TICKET NO.	1124027551		TICKET TIME	08:05:58	DATE	7/13/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job. No.		Customer P.O.	18005		Map Ref.	/
Truck Type	Super Solo	Truck No.	KAR59TT		Vehicle or License Plate No.	
Hauler/Carrier No.		Driver's Name	Delivered/Ordered	-31.71 /	Load No.	1
					Running Total	-31.71

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	31.71		

SCALE WEIGHT	GROSS & TARE	<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b> <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge	
Gross 103,940 LB	<input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2		Sales Tax	
Tare 40,520 LB/P.T.	X Harrington, Cate Deputy Weighmaster		<b>Total</b>	
Net 63,420 LB			Standby Time	
No one available to sign, customer waives receipt signature. <input type="checkbox"/>	Received by Signature <input checked="" type="checkbox"/>	Print Name (Customer) X	Driver's Signature X	
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials X
				<b>This Tickets Grand Total</b>



**WEIGHMASTER STATION**  
 98781100  
 Everett S&G  
 6300 Glenwood Avenue  
 Everett, WA 98213

TICKET NO.	1124027584		TICKET TIME	09:54:55	DATE	7/13/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job. No.		Customer P.O.	18005		Map Ref.	/
Truck Type	Super Solo	Truck No.	KAR59TT		Vehicle or License Plate No.	
Hauler/Carrier No.		Driver's Name	Delivered/Ordered	-89.99 /	Load No.	3
					Running Total	-89.99

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	28.14		

SCALE WEIGHT	GROSS & TARE	<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b> <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge	
Gross 96,800 LB	<input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2		Sales Tax	
Tare 40,520 LB/P.T.*	X Harrington, Cate Deputy Weighmaster		<b>Total</b>	
Net 56,280 LB			Standby Time	
No one available to sign, customer waives receipt signature. <input type="checkbox"/>	Received by Signature <input checked="" type="checkbox"/>	Print Name (Customer) X	Driver's Signature X	
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials X
				<b>This Tickets Grand Total</b>

800600



WEIGHMASTER STATION  
98781100  
Everett S&G  
6300 Glenwood Avenue  
Everett, WA 98213

TICKET NO.	1124027628		TICKET TIME	11:47:04	DATE	7/13/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job No.		Customer P.O.	18005		Map Ref.	
Truck Type	Super Solo	Truck No.	KAR59TT	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Hauler/Carrier No.		Driver's Name		Delivered/Ordered	Load No.	Running Total
				-149.13 /	5	-149.13

EV/P - J#18005 BELLEVUE SOUTH  
306 116TH AVE NE  
BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	31.94		
<b>SCALE WEIGHT</b> Gross 104,400 LB Tare 40,520 LB/P.T.* Net 63,880 LB		<b>GROSS &amp; TARE</b> <input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2 X Regan, Angelique Deputy Weighmaster		<b>LIABILITY WAIVER</b> A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME. Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.
<input type="checkbox"/> No one available to sign, customer waives receipt signature.		<input checked="" type="checkbox"/> Received by Signature Print Name (Customer) X Driver's Signature X	Fuel Surcharge Sales Tax <b>Total</b>	Standby Time <b>This Tickets Grand Total</b>
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials X

800600



WEIGHMASTER STATION  
98781100  
Everett S&G  
6300 Glenwood Avenue  
Everett, WA 98213

TICKET NO.	1124027552		TICKET TIME	08:12:26	DATE	7/13/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job No.		Customer P.O.	18005		Map Ref.	
Truck Type	Super Solo	Truck No.	CHA6TT	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Hauler/Carrier No.		Driver's Name		Delivered/Ordered	Load No.	Running Total
				-61.85 /	2	-61.85

EV/P - J#18005 BELLEVUE SOUTH  
306 116TH AVE NE  
BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	30.14		
<b>SCALE WEIGHT</b> Gross 100,880 LB Tare 40,600 LB/P.T. Net 60,280 LB		<b>GROSS &amp; TARE</b> <input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 X Harrington, Cate Deputy Weighmaster		<b>LIABILITY WAIVER</b> A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME. Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.
<input type="checkbox"/> No one available to sign, customer waives receipt signature.		<input checked="" type="checkbox"/> Received by Signature Print Name (Customer) X Driver's Signature X	Fuel Surcharge Sales Tax <b>Total</b>	Standby Time <b>This Tickets Grand Total</b>
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials X



**WEIGHMASTER STATION**  
98781100  
Everett S&G  
6300 Glenwood Avenue  
Everett, WA 98213

TICKET NO.	1124027637		TICKET TIME	12:15:39	DATE	7/13/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Order No.						10074797
Customer Job No.	Customer P.O.		Map Ref.	Disp. Ord. #		
		18005	/			
Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone		
Super Solo	CHA6TT					
Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total		
		-176.86 /	6	-176.86		

EV/P - J#18005 BELLEVUE SOUTH  
306 116TH AVE NE  
BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	27.73		
SCALE WEIGHT		GROSS & TARE		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.
Gross	96,060 LB	<input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2 Harrington, Cat		
Tare	40,600 LB/P.T.*	<input checked="" type="checkbox"/> Deputy Weighmaster		
Net	55,460 LB			
No one available to sign, customer waives receipt signature.		Received by Signature		Print Name (Customer)
		<input type="checkbox"/> <input checked="" type="checkbox"/>		X
				Driver's Signature
				X
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials
				X
			<b>Fuel Surcharge</b>	
			<b>Sales Tax</b>	
			<b>Total</b>	
			<b>Standby Time</b>	
			<b>This Tickets Grand Total</b>	



**WEIGHMASTER STATION**  
98781100  
Everett S&G  
6300 Glenwood Avenue  
Everett, WA 98213

TICKET NO.	1124027589		TICKET TIME	10:06:52	DATE	7/13/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Order No.						10074797
Customer Job No.	Customer P.O.		Map Ref.	Disp. Ord. #		
		18005	/			
Truck Type	Truck No.	Vehicle or License Plate No.	Trailer or License Plate No.	Zone		
Super Solo	CHA6TT					
Hauler/Carrier No.	Driver's Name	Delivered/Ordered	Load No.	Running Total		
		-117.19 /	4	-117.19		

EV/P - J#18005 BELLEVUE SOUTH  
306 116TH AVE NE  
BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	27.20		
SCALE WEIGHT		GROSS & TARE		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.
Gross	95,000 LB	<input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2 Regan, Angelique		
Tare	40,600 LB/P.T.*	<input checked="" type="checkbox"/> Deputy Weighmaster		
Net	54,400 LB			
No one available to sign, customer waives receipt signature.		Received by Signature		Print Name (Customer)
		<input type="checkbox"/> <input checked="" type="checkbox"/>		X
				Driver's Signature
				X
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials
				X
			<b>Fuel Surcharge</b>	
			<b>Sales Tax</b>	
			<b>Total</b>	
			<b>Standby Time</b>	
			<b>This Tickets Grand Total</b>	



**WEIGHMASTER STATION**  
98781100  
Everett S&G  
6300 Glenwood Avenue  
Everett, WA 98213

800600

TICKET NO.	1124027808		TICKET TIME	08:31:29	DATE	7/16/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job No.	Customer P.O.		Map Ref.	Disp. Ord. #		
		18005		/		
Truck Type	Super Solo	Truck No.	KAR59TT	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Hauler/Carrier No.	Driver's Name		Delivered/Ordered	Load No.	Running Total	
				-25.86 /	1	-25.86

EV/P - J#18005 BELLEVUE SOUTH  
306 116TH AVE NE  
BELLEVUE



Product	Description	Total	Unit Price	Amount										
99005	CLASS 3 SOILS (TN)	25.86												
<table border="1"> <tr> <td>SCALE WEIGHT</td> <td>GROSS &amp; TARE</td> <td rowspan="4"> <b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>   <b>LIABILITY WAIVER</b>            Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.         </td> <td>Fuel Surcharge</td> </tr> <tr> <td>Gross 92,240 LB</td> <td rowspan="3"> <input type="checkbox"/> Scale 1    <input checked="" type="checkbox"/> Scale 2            X Regan, Angelique            Deputy Weighmaster         </td> <td>Sales Tax</td> </tr> <tr> <td>Tare 40,520 LB/P.T.*</td> <td><b>Total</b></td> </tr> <tr> <td>Net 51,720 LB</td> <td></td> </tr> </table>		SCALE WEIGHT	GROSS & TARE	<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge	Gross 92,240 LB	<input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2 X Regan, Angelique Deputy Weighmaster	Sales Tax	Tare 40,520 LB/P.T.*	<b>Total</b>	Net 51,720 LB			
SCALE WEIGHT	GROSS & TARE	<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.	Fuel Surcharge											
Gross 92,240 LB	<input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2 X Regan, Angelique Deputy Weighmaster		Sales Tax											
Tare 40,520 LB/P.T.*			<b>Total</b>											
Net 51,720 LB														
<input type="checkbox"/> No one available to sign, customer waives receipt signature. <input checked="" type="checkbox"/> Received by Signature		Print Name (Customer)	Driver's Signature	Standby Time										
		X	X											
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials										
				X										
				<b>This Tickets Grand Total</b>										



800600



**WEIGHMASTER STATION**  
98781100  
Everett S&G  
6300 Glenwood Avenue  
Everett, WA 98213

TICKET NO.	1124027881		TICKET TIME	10:52:48	DATE	7/16/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job No.		Customer P.O.	18005		Map Ref.	Disp. Ord. #
Truck Type	Super Solo	Truck No.	KAR59TT		Vehicle or License Plate No.	Trailer or License Plate No.
Hauler/Carrier No.		Driver's Name			Delivered/Ordered	Load No.
					-54.09 /	2
						Running Total
						-54.09

EV/P - J#18005 BELLEVUE SOUTH  
306 116TH AVE NE  
BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	28.23		

SCALE WEIGHT		GROSS & TARE		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> <b>Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.</b>	Fuel Surcharge
Gross	96,980 LB	<input type="checkbox"/> Scale 1	<input checked="" type="checkbox"/> Scale 2		Sales Tax
Tare	40,520 LB/P.T.*	X Regan, Angelique Deputy Weighmaster			<b>Total</b>
Net	56,460 LB	No one available to sign, customer waives receipt signature. <input type="checkbox"/>		Print Name (Customer)	Driver's Signature
		Received by Signature <input checked="" type="checkbox"/>		X	X
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials	<b>This Tickets Grand Total</b>
				X	



**WEIGHMASTER STATION**  
 98781100  
 Everett S&G  
 6300 Glenwood Avenue  
 Everett, WA 98213

800600

TICKET NO.	1124027976		TICKET TIME	15:41:12	DATE	7/16/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job. No.	18005	Customer P.O.	18005		Map Ref.	Disp. Ord. #
Truck Type	Super Solo	Truck No.	CHA6TT	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Hauler/Carrier No.		Driver's Name		Delivered/Ordered	Load No.	Running Total
				-115.98 /	5	-115.98

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE



Product	Description	Total	Unit Price	Amount						
99005	CLASS 3 SOILS (TN)	26.81								
<table border="1"> <tr> <th>SCALE WEIGHT</th> <th>GROSS &amp; TARE</th> </tr> <tr> <td>Gross 94,220 LB *</td> <td rowspan="3"> <input checked="" type="checkbox"/> Scale 1   <input type="checkbox"/> Scale 2            X Regan, Angelique            Deputy Weighmaster         </td> </tr> <tr> <td>Tare 40,600 LB/P.T.*</td> </tr> <tr> <td>Net 53,620 LB *</td> </tr> </table>		SCALE WEIGHT	GROSS & TARE	Gross 94,220 LB *	<input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 X Regan, Angelique Deputy Weighmaster	Tare 40,600 LB/P.T.*	Net 53,620 LB *	<p><b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b></p> <p><b>LIABILITY WAIVER</b>            Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.</p>		
SCALE WEIGHT	GROSS & TARE									
Gross 94,220 LB *	<input checked="" type="checkbox"/> Scale 1 <input type="checkbox"/> Scale 2 X Regan, Angelique Deputy Weighmaster									
Tare 40,600 LB/P.T.*										
Net 53,620 LB *										
<input type="checkbox"/> No one available to sign, customer waives receipt signature. <input checked="" type="checkbox"/> Received by Signature		Print Name (Customer)	Driver's Signature	Fuel Surcharge						
		X	X	Sales Tax						
				<b>Total</b>						
				Standby Time						
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials						
				X						
				<b>This Tickets Grand Total</b>						



**WEIGHMASTER STATION**  
 98781100  
 Everett S&G  
 6300 Glenwood Avenue  
 Everett, WA 98213

800600

TICKET NO.	1124027977		TICKET TIME	15:41:53	DATE	7/16/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job No.		Customer P.O.	18005		Map Ref.	/
Truck Type	Super Solo	Truck No.	CHA6TT		Vehicle or License Plate No.	Trailer or License Plate No.
Hauler/Carrier No.		Driver's Name			Delivered/Ordered	-139.44 /
					Load No.	5
					Running Total	-139.44

EV/P - J#18005 BELLEVUE SOUTH  
 306 116TH AVE NE  
 BELLEVUE



Product	Description	Total	Unit Price	Amount
99005	CLASS 3 SOILS (TN)	27.73		

SCALE WEIGHT		GROSS & TARE		<b>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</b>  <b>LIABILITY WAIVER</b> <b>Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.</b>	Fuel Surcharge
Gross	96,060 LB *	<input checked="" type="checkbox"/> Scale 1	<input type="checkbox"/> Scale 2		Sales Tax
Tare	40,600 LB/P.T.*	X Regan, Angelique Deputy Weighmaster			<b>Total</b>
Net	55,460 LB *	<input type="checkbox"/> No one available to sign, customer waives receipt signature. <input checked="" type="checkbox"/> Received by Signature		Print Name (Customer)	Driver's Signature
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials	<b>This Tickets Grand Total</b>

800600

**CADMAN**  
HEIDELBERG CEMENT Group  
(888) 322-6847 425-961-7100

**WEIGHMASTER STATION**  
98781100  
Everett S&G  
6300 Glenwood Avenue  
Everett, WA 98213

TICKET NO.	1124027932		TICKET TIME	12:45:05	DATE	7/16/2018
Customer No.	7846615	Payment Type	Account		Customer Name	J R HAYES & SONS INC
Customer Job No.		Customer P.O.	18005		Map Ref.	/
Truck Type	Super Solo	Truck No.	KAR59TT	Vehicle or License Plate No.	Trailer or License Plate No.	Zone
Hauler/Carrier No.		Driver's Name		Delivered/Ordered	Load No.	Running Total
				-84.90 /	3	-84.90

EV/P - J#18005 BELLEVUE SOUTH  
306 116TH AVE NE  
BELLEVUE



Product	Description	Total	Unit Price	Amount						
99005	CLASS 3 SOILS (TN)	30.81								
<table border="1"> <tr> <th>SCALE WEIGHT</th> <th>GROSS &amp; TARE</th> </tr> <tr> <td>Gross 102,140 LB</td> <td rowspan="3"> <input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2            X Regan, Angelique            Deputy Weighmaster         </td> </tr> <tr> <td>Tare 40,520 LB/P.T.*</td> </tr> <tr> <td>Net 61,620 LB</td> </tr> </table>		SCALE WEIGHT	GROSS & TARE	Gross 102,140 LB	<input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2 X Regan, Angelique Deputy Weighmaster	Tare 40,520 LB/P.T.*	Net 61,620 LB	<p>A STANDBY SURCHARGE WILL BE ASSESSED FOR LOADS THAT EXCEED 10 MINUTES UNLOADING TIME.</p> <p><b>LIABILITY WAIVER</b></p> <p>Cadman, (Inc.) will not assume Liability for any property damage or any equipment damage for any delivery beyond the curb line.</p>		
SCALE WEIGHT	GROSS & TARE									
Gross 102,140 LB	<input type="checkbox"/> Scale 1 <input checked="" type="checkbox"/> Scale 2 X Regan, Angelique Deputy Weighmaster									
Tare 40,520 LB/P.T.*										
Net 61,620 LB										
<input type="checkbox"/> No one available to sign, customer waives receipt signature.		<input checked="" type="checkbox"/> Received by Signature	<input checked="" type="checkbox"/> Print Name (Customer)	<input checked="" type="checkbox"/> Driver's Signature	<input type="checkbox"/> Fuel Surcharge <input type="checkbox"/> Sales Tax <input type="checkbox"/> Total <input type="checkbox"/> Standby Time					
Arrive Job	Start Unloading	Finish Unloading	Standby Time	Customer's Initials	<b>This Tickets Grand Total</b>					
					X					