# UST System Closure Report Seattle Public Utilities, City of Seattle Washington State Department of Ecology Facility/Site No.: 83317575 4500 West Marginal Way SW Seattle, WA

MGI Project No.: P1356-B18

Prepared for:
City of Seattle, Finance and Administrative Services (FAS)
700 5th Avenue, Suite 5200
Seattle, WA 98104

#### Submitted to:

Washington State Department of Ecology

Toxics Cleanup Program - Underground Storage Tank Section
PO Box 47655
Olympia, WA 98504-7655

Prepared by:

Migizi Group, Inc. 17921 Bothell Everett Highway Suite 102 Bothell, WA 98012

November 20, 2018



SITE CHECK/SITE ASSESSMENT CHECKLIST

FOR UNDERGROUND STORAGE TANKS

UST ID #: 423 465
RECEIVED King

This checklist certifies that site check or site assessment activities were performed in 2 8 2018 accordance with Chapter 173-360A WAC. Instructions are found on the last page.

I. UST FACILITY II. OWNER/OPERATOR INFORMATION Facility Compliance Tag #: 83317575 A 37 43EPT OF EOwner/Operator Name: Kate Spitzer, FAS, City of Seattle UST ID #: 423465 Business Name: SPIJ Site Name: Greyhound Lines Inc. (Former) SPU (current) Address: 700 5th Ave Suite 5200 Site Address: 4500 W Marginal Way SW City: Seattle State: WA Zip: 98104 Phone: 206.733.9065 City: Seattle Phone: NA Email: kate.spitzer@seattle.gov III. CERTIFIED SITE ASSESSOR Company Name: Migizi Group, Inc. Service Provider Name: Jason Souza Cell Phone: 509.939.1091Email: isouza@migizigroup.com Address: 17921 Bothell Everett Hwy Ste 102 Certification #: Reg 311114764 Exp. Date: 8Feb19 City: Bothell State: WA Zip: 98012 IV. TANK INFORMATION **DATE SITE CHECK OR** TANK ID **TANK CAPACITY LAST SUBSTANCE STORED** ASSESSMENT CONDUCTED Gasoline - 1 5,000 gallons Gasoline 220ct18 22Oct18 Diesel - 2 Diesel 20,000 gallons V. REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT (check one) Release investigation following permanent UST system closure (i.e. tank removal or closure-in-place). X Release investigation following a failed tank and/or line tightness test. Release investigation following discovery of contaminated soil and/or groundwater. Release investigation directed by Ecology to determine if the UST system is the source of offsite impacts. UST system is undergoing a "change-in-service", which is changing from storing a regulated substance (e.g. gasoline) to storing a non-regulated substance (e.g. water). Directed by Ecology for UST system permanently closed or abandoned before 12/22/1988. Other (describe):

VI. CHECKLIST		
The site assessor must check each of the following items and include it in the report.  Sections referenced below can be found in the Ecology publication  Guidance for Site Checks and Site Assessments for Underground Storage Tanks.		
	YES	NO
1. The location of the UST site is shown on a vicinity map.		<u> </u>
2. A brief summary of information obtained during the site inspection is provided (Section 3.2)		
3. A summary of UST system data is provided (Section 3.1)		
4. The soils characteristics at the UST site are described. (Section 5.2)	x	
5. Is there any apparent groundwater in the tank excavation?	Ø	
6. A brief description of the surrounding land use is provided. (Section 3.1)		
7. The name and address of the laboratory used to perform analyses is provided. The methods used to collect and analyze the samples, including the number and types of samples collected, are also documented in the report. The data from the laboratory is appended to the report.	X	
8. The following items are provided in one or more sketches:		
Location and ID number for all field samples collected	X	
If applicable, groundwater samples are distinguished from soil samples		
Location of samples collected from stockpiled excavated soil	X	
Tank and piping locations and limits of excavation pit	×	
Adjacent structures and streets	×	
Approximate locations of any on-site and nearby utilities	X	
9. If sampling procedures are different from those specified in the guidance, has justification for using these alternative sampling procedures been provided? (Section 3.4)		
10. A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method, and detection limit for that method. Any sample exceeding MTCA Method A cleanup standards are highlighted or bolded.	<b>⊠</b>	
11. Any factors that may have compromised the quality of the data or validity of the results are described.	X	
12. The results of this site check/site assessment indicate that a confirmed release of a regulated substance has occurred. The requirements for reporting confirmed releases can be found in WAC 173-360-372.		X
VII. REQUIRED SIGNATURES		
Signature acknowledges the Site Check or Site Assessment complies with UST regulations WAC 173-360A+0730 through Note: while this system does not appear to have leaked, detections of hydrocarbons in excess of MTCA were confirmed (		
Jason Souza 20Nov18	ı	
Print or Type Name Signature of Certified Site Assessor Date		

# SITE CHECK/SITE ASSESSMENT CHECKLIST

FOR UNDERGROUND STORAGE TANKS

#### Instructions

This checklist must accompany the results of a Site Check Report, which is performed if a release of petroleum or other regulated substance is suspected. It is also required to accompany a Site Assessment Report, which is required following the permanent closure or "change-in-service" of an underground storage tank system. This form is required to be filled out whether or not contamination is found. This checklist is to be completed by the Site Assessor and submitted within thirty days of completing these activities to the following address:

Dept. of Ecology UST Section PO Box 47655 Olympia, WA 98504-7655

- **I./II. UST Facility and Owner/Operator Information:** Fill out these sections completely. If you do not know your UST ID number, include the facility compliance tag number.
- III. Service Provider Information: It is the responsibility of the ICC-certified Site Assessor to ensure that sampling and documentation procedures are completed in accordance with Ecology's Guidance for Site Checks and Site Assessment for Underground Storage Tanks.
- IV. Tank Information: Use the same Tank identification numbers listed on the facility's Business License which is based on the most recent UST Addendum on file with Ecology. List the last substance stored in each tank, the tank sizes and the date the site check or site assessment was completed.
- V. Required Signature: The Site Assessor signature certifies these procedures were followed.

All confirmed releases must be reported to Ecology by the owner within 24 hours and by service providers within 72 hours of discovery. A Site Characterization Report must be submitted to Ecology within 90 days after confirming a release.

Further questions? Please contact your regional office below and ask for a tank inspector to assist you.

Regional Office	Counties Served
Central (509) 575-2490	Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, Yakima
Eastern (509) 329-3400	Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman
HQ (360) 407-7170	Federal facilities in Western Washington
Northwest (425) 649-7000	Island, King, Kitsap, San Juan, Skagit, Snohomish, Whatcom
Southwest (360) 407-6300	Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Lewis, Mason, Pacific, Pierce, Skamania, Thurston, Wahkiakum

or find a complete list of UST inspectors at: www.ecy.wa.gov/programs/tcp/ust-lust/people.html

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# 1.0 INTRODUCTION

On behalf of the Seattle Public Utilities, Migizi Group, Inc. (MGI) is pleased to present this report to the Washington State Department of Ecology (Ecology) Toxics Cleanup Program (TCP) Underground Storage Tank (UST) Section. This report documents UST closure by removal activities at the Facility located at 4500 West Marginal Way SW in Seattle, Washington (the Site). The Site is also known as Ecology Facility No. 83317575 and Ecology Cleanup Site ID 10937.

The UST Closure and Site Assessment Notice and Site Assessment Checklist are included in Appendix A.

# 2.0 SITE LOCATION AND DESCRIPTION

The gasoline and diesel UST system were located at SPU's property located at 4500 W Marginal Way SW, Seattle, Washington (Property). The Site location and layout are illustrated on Figures 1 and 2. Land use near the Site is mixed. Industrial properties populate the areas immediately around the Site, with the Lower Duwamish Waterway (LDW) is situated approximately 500 feet to the north, just beyond the neighboring property to the north.

The Property consists of one triangular shaped parcel of land with a total area of approximately 261,361 square feet (King County Tax Assessor). The layout of the Property is depicted on Figure 2.

## 3.0 BACKGROUND

Historically the Property operated as a lumber company and a bus maintenance facility. Situated on the Property were two active, double-wall, steel USTs: one 5,000-gallon, registered for unleaded gasoline and one 20,000-gallon registered for diesel. The USTs are registered with Ecology as having been installed on August 26, 1997. The USTs were connected by double-contained underground conveyance to two pump dispensers approximately 50 feet east at the entrance to the bus-wash facility, under an overhang. Most of the UST system (cavity, conveyance lines and dispensers) were covered with concrete and small portions with asphalt. Previous investigations (EHSI 2017) had identified soil and groundwater impacts by hazardous substances, primarily consisting of petroleum hydrocarbons above the Washington Model Toxics Control Act (MTCA) Method A Cleanup Levels (CULs).

Groundwater at the monitoring well closest to the UST System (MW-4, south of UST area) indicated depth to water at 6.34 feet below. Laboratory analytical data from this well (ERM, 2014) report that no detections for lead, gasoline-, diesel-, or oil-range hydrocarbons were identified above the laboratory's practical quantification limit. However, groundwater sampling conducted by EHSI in 2017 confirmed diesel, oil, and carcinogenic polycyclic aromatic hydrocarbons (cPAHs) above regulatory limits in several locations across the Site (Figure 3, EHSI, 2017); groundwater was reported at 6.87 feet bgs at the same location in late January 2017. EHSI documents that the groundwater flow pattern is roughly to the southeast, toward the Herring House Park and Tidal Wetland.

#### 4.0 SCOPE OF WORK

MGIs role during the UST removal activities was to oversee and report the closure by removal of the existing UST system. MGI was not retained by the owner to direct the UST removal contractor, who was retained directly by the owner. MGI's oversight was conducted in accordance with the Ecology document: Guidance for Site Checks and Site Assessments for Underground Storage Tanks, dated February 1991 and revised April 2003.

The scope of work performed by MGI included:

- Pre-field activities consisting of completing a work plan and Site-specific health and safety plan (HASP);
- Collection of soil samples from the extents of excavation and from stockpiled material in accordance with the Ecology guidance document;
- Submitting selected soil samples for laboratory analysis to quantify concentrations of petroleum hydrocarbons and other contaminants of concern (COCs) in the samples;
- Comparing the chemical analyses results to MTCA Method A cleanup levels;
- Preparing this report.

These tasks are described in detail in subsequent sections of this report.

#### 5.0 UST CLOSURE

The UST closure by removal activities were completed by Wyser Construction Company, Inc. (Wyser). The UST Site Check/Site Assessor of record was Mr. Jason Souza of MGI (Washington State UST Site Assessor Registration Number 311114764, Validation Number 829366945). UST closure by removal and compliance sampling activities were performed on October 17th, 18th, and 22nd, 2018.

#### 5.1 Pre-field Activities

Pre-field activities included submission of a 30-Day Notice to the Department of Ecology and completing a work plan and site-specific HASP.

Wyser was contracted by the City of Seattle to conduct the UST removal activities.

- Site controls and stormwater protections were installed;
- Neither UST contained product. The USTs were pumped, and triple rinsed by Marine Vacuum Services (Marvac).
- Wyser used carbon dioxide to inert the USTs;
- Wyser contracted the Marine Chemist to confirm USTs were inert;
- USTs were removed from the tank cavity and cut open for transport and disposal, under the guidance of the Marine Chemist.

Wyser removed residual soil from the top and sides of the UST and stockpiled the material on asphalt within the controlled site area.

#### 5.2 UST Removal

The USTs were installed approximately three feet below the ground surface (bgs), and the cavity extended to approximately eleven feet below grade, although sloughing of the pea gravel within and resulting undermining made exact measurements of the depth unsafe. Both USTs appeared in pristine condition, with no signs of rust or even paint peeling on the outside of the two, steel, double-walled USTs.

The final extent measured approximately 31 feet long by 18 feet wide, to a depth of 13 feet below ground surface (bgs). Soil samples were collected at intervals that meet and exceed the applicable standards for sampling a UST excavation, including:

- 1. One soil sample at each end of the UST pit;
- 2. Two sidewall soil samples on each end of the UST pit;
- 3. One soil sample under conveyance line junctions for each UST;
- 4. One soil sample under each of the conveyance lines (diesel and gasoline);
- 5. One soil sample midline between the two dispensers;

- 6. One soil sample under the vent-line sump;
- 7. One soil sample under each of the two dispensers, and;
- 8. Five additional stockpile soil samples.

Soil samples were collected at depths of approximately seven to eight feet bgs from the excavation sidewalls. Base samples were collected at depth of eleven feet bgs. Dispenser, conveyance and vent-sump samples were collected at depths of two to three feet bgs. Sample locations are shown on Figure 3. There were no signs of soil discoloration in soil samples collected from the limits of the UST excavation. There were no elevated vapor readings as measured by a photo-ionization detector (PID) in soil samples collected from the limits of the UST excavation. Groundwater was occasionally encountered during UST removal activities at a depth of approximately eight to ten feet bgs.

Approximately 367 tons of soils were removed from the UST excavation to facilitate removal of the UST. At the City of Seattle's request, excess soil was transported to Rabanco as Class III soil in accordance with the site soil analytical data collected and analyzed by others (EHSI). Excavated materials consisted mostly of pea gravel and occasional brown silty SAND.

Soil samples were submitted to OnSite Environmental Laboratories (OnSite) for analysis. Further explanation of the soil sampling and analysis is described in Section 6.0. Laboratory analytical results are discussed in Section 7.0. Soil sampling locations and a summary of analytical results are provided on Figure 3. Laboratory analytical reports are included in Appendix B and the results are summarized in Table 1.

#### 5.3 Site Restoration Activities

Backfill was not within MGI's Scope of Work. However, the cavity was backfilled and compacted with Type 17 constant density fill (CDF); quality-control oversight of backfill and compaction was provided by Otto Rosenau Associates.

#### 6.0 SOIL SAMPLING AND ANALYSIS METHODS

Soil samples collected during the removal of the UST system were submitted to OnSite Environmental Laboratories, an Ecology-accredited laboratory located in Redmond, Washington.

Soil samples were collected in accordance with the Ecology approved collection and analytical methods and in accordance with guidelines in the document titled 'Guidance for Site Checks and Site Assessments for Underground Storage Tanks' dated February 1991 and revised April 2003. Effort was made to collect relatively undisturbed soil samples from the excavation as well as the stockpiled materials. Samples were collected using appropriate personal protective equipment and equipment specified by the applicable collection method. Soil samples were collected for visual inspection and field screening. Field screening was performed using an organic vapor meter PID (OVM-PID).

Soil samples to be submitted for laboratory analysis were placed in clean glass containers supplied by the laboratory and preserved per analytical method requirements. Threads of sample containers were wiped clean of soil particles that would interfere with an airtight seal, and a Teflon-lined screw lid was immediately placed on containers. A clean pair of disposable nitrile gloves was used for each sample. Once screening was complete, care was taken to obtain representative soil samples and to place soil directly and quickly into the sample containers to minimize loss of volatile constituents.

The samples were placed in an iced cooler pending transport to the laboratory on the day-of-collection. Recommended protocols for sample management, including chain-of-custody documentation, were observed during sampling, storage and transportation activities.

Soil samples were submitted for the following analyses:

- HCID
- TPH-G using Ecology-approved Method NWTPH-Gx;
- TPH-D and TPH-O using Ecology-approved Method NWTPH-Dx;
- Benzene, toluene, ethylbenzene and total xylenes (collectively BTEX), Dibromoethane, 1-2 (EDB), Dichloroethane, 1-2 (EDC), and Methyl tertiary-butyl ether (MTBE) using Environmental Protection Agency (EPA) Method 8021B;
- Total lead using EPA Method 6020;
- Carcinogenic polycyclic aromatic hydrocarbons (cPAHs) using EPA Method 8270 SIM;
- Polychlorinated Biphenyls (PCBs) using EPA Method 8082; and,
- BTEX using EPA Method 8260.

Laboratory analytical reports are provided in Appendix B. Laboratory analytical results are discussed in Section 7.0.

### 7.0 LABORARY ANALYTICAL RESULTS

Laboratory analytical reports for soil samples are provided in Appendix B. Soil sampling locations are presented on Figure 3 and soil analytical results are summarized in Table 1.

#### 7.1 Analytical Results for Soil Samples

All laboratory data is summarized on Tables 1 - 3. Arsenic, lead and mercury were also evaluated (due to historic use considerations) and determined to be less than the laboratory's POL.

# **UST Excavation**

A total of eight soil samples were collected from the UST excavation including six sidewalls (SWMIDW, SWSW, SWNE, SWMIDE, SWN and SWS) and two excavation-base (Base N and Base S) of the UST excavation. Laboratory analytical data indicates that sidewall and base samples of the UST excavation were impacted with diesel-range petroleum hydrocarbons ranging from below detectable limits to 370 ppm and oil-range petroleum hydrocarbons from 200 to 1,400 ppm. One sample (Base-N) was analyzed for EDB, EDC, and MTBE all of which were below the laboratory's PQL. One UST excavation soil sample (Base N) was analyzed for cPAHs, due to the historic presence of this contaminant at the Site. cPAHs were not detected in the base excavation soil sample above MTCA TEF thresholds; calculations are shown on Table 3.

## Stockpile Samples

Prior to the project commencing, soil samples previously analyzed were used to help characterize the soil for disposal. The Owner decided to have all excavated soil disposed of at Rabanco for thermal treatment and recycling. A total of five additional soil samples were collected from stockpiled soil excavated from the UST cavity. Laboratory analytical data indicates that soil removed from the UST excavation were impacted with diesel-range petroleum hydrocarbons ranging from below detectable limits to 65 ppm and oil-range petroleum hydrocarbons from 200 to 3,400 ppm. Two stockpile samples were analyzed for EDB, EDC, and MTBE all of which were below the laboratory's PQL. One stockpile soil sample (Disp 1) was analyzed for cPAHs, due to the historic presence of this contaminant at the Site. cPAHs were not detected in the stockpile sample above MTCA TEF thresholds; calculations are shown on Table 3.

### Conveyance Lines, Dispensers and Vents / Vents Sump

Soil from the conveyance lines, under each dispenser and under the vent-sump were collected and analyzed for the constituent of concern. Laboratory analytical data indicates that soil in

these areas was impacted with diesel-range petroleum hydrocarbons ranging from 77 to 1,900 ppm and oil-range petroleum hydrocarbons from 380 to 750 ppm. Two samples (under dispenser 1 and under the sump) were analyzed for EDB, EDC, and MTBE all of which were below the laboratory's PQL. One soil sample under a dispenser (Disp 2) was analyzed for cPAHs, due to the historic presence of this contaminant at the Site. cPAHs were not detected in the stockpile sample above MTCA TEF thresholds; calculations are shown on Table 3.

#### 8.0 CONCLUSIONS

This report summarizes soil sampling activities associated with the closure by removal of two USTs; one 5,000-gallon gasoline and one 20,000-gallon diesel UST, two pump dispensers and all associated UST components and piping at 4500 W Marginal Way SW, Seattle, Washington.

Prior to this study, Site soil and groundwater was confirmed to have been impacted with petroleum hydrocarbons at concentrations above MTCA regulatory thresholds (EHSI, 2017). Remediation beyond the removal of impacted soil excavated to remove the USTs was outside of MGI's scope-of-work.

The UST system removed was in almost pristine condition, complete with dual-containment on all conveyance, under each dispenser, and under the vent stacks. Soil analytical data and infield observations suggest aged diesel fuel (as expected) in soil around the USTs at moderate to slightly above MTCA-thresholds for diesel fuel. The USTs being decommissioned as part of this study were not the first generation of USTs at the Site. Based upon the condition and construction of the 1997 USTs, it is likely the contamination encountered on-Site was from a prior-generation of USTs at the Site.

#### 9.0 LIMITATIONS AND CERTIFICATIONS

This report has been prepared in accordance with generally accepted standards of environmental practice in King County at this time. Sampling and testing were conducted solely for the purpose of evaluating environmental conditions of the soil with respect to the presence of petroleum constituents at the depth and locations sampled. No soil engineering or geotechnical implications are stated, nor should they be implied. Evaluation of the Site conditions for the purpose of sampling and testing was made from a limited number of observation and sampling points. Subsurface conditions may vary beyond the data points available and it is not possible to account for these variations. All conclusions and recommendations provided as part of this study are based upon reasonably-available information and the laboratory analytical results provided by others within the budgetary and time constraints inherent to the project and outside of MGI's control.

This report has been prepared for the exclusive use of The City of Seattle and their lenders and agents, in accordance with generally-accepted professional consulting practices. No warranty, expressed or implied, is made. The findings contained herein are relevant to the dates of MGI's work and should not be relied upon to represent conditions at later dates. If changes in the nature, usage, layout of the property, or nearby properties are made, the conclusions and recommendations contained in this report may not be valid.

# 10.0 CLOSING

# 1.0 CLOSING

If you have any questions, or if we may be of further assistance, please do not hesitate to contact the undersigned in our office at (425) 398-2300.

Respectfully submitted,

MIGIZI GROUP, INC.

Jason Souza, CEO / Principal Scientist

17921 Bothell Everett Highway, Suite 102 Bothell WA 98012

(425) 398-2300 – corporate office, email: jsouza@migizigroup.com

Washington State UST Site Assessor

Registration Number 311114764, Validation Number 829366945

**TABLES** 

#### Table 1 - Soil Analysis SPU DWW UST Decommision 4500 W Marginal Way SW Migizi Group, Inc. Project Number P1356-B18

All concentrations are in milligrams per kilogram (mg/kg)

						Migi	zi Group, inc								
Sample ID	⊔мs	Depth (Feet)	Sample Date	HCID			NWTPH-Dx		BTEX EPA Method 8021b				Metals		
				Gasoline	Diesel	110	Diesel	Oil	Benzene	Toluene	Ethylbenzene	Xylenes	Arsenic	Lead	Mercur
DISP-1	10-226-01	stockpile	10/17/18	<23	Detected	Detected	65	310	<0.020	<0.043	<0.043	<0.129	<11	<5.7	<0.29
DISP-2	10-226-02	stockpile	10/17/18	<24	<60	Detected	<60	200	<0.020	<0.052	<0.052	<0.152	NT	NT	NT
DISP-3	10-226-03	stockpile	10/17/18	<110	<270	Detected	<270	3,400	NT	NT	NT	NT	NT	NT	NT
DISP-4	10-226-04	stockpile	10/17/18	<23	<58	Detected	<280	1,300	NT	NT	NT	NT	NT	NT	NT
DISP-5	10-226-05	stockpile	10/17/18	<24	<61	<120	NT	NT	NT T	NT	NT	NT	NT	NT -	NT
BASE N	10-244-01	11	10/18/18	<23	<57	Detected	<280	1,300	NT	NT	NT	NT	NT	NT	NT
SWN	10-244-02	8	10/18/18	<24	<59	<120	NT	NT	NT	NT	NT	NT	NT	NT	NT
SWNE	10-244-03	8	10/18/18	<22	Detected	Detected	320	1,400	<0.020	<0.051	<0.051	<0.151	NT	NT	NT
SW MID E	10-244-04	8	10/18/18	<24	<59	<120	NT	NT	NT	NT	NT	NT	NT	NT	NT
BASE S	10-244-05	11	10/18/18	<26	<64	<130	NT	NT	NT	NŤ	TN	NT	NT	NT	NŤ
SW MID W	10-244-06	8	10/18/18	<24	<61	<120	NT	NT	NT	NT	NT	NT	NT	NT	NT
SWSW	10-244-07	8	10/18/18	<26	<66	<130	NT	NT	NT	NT	TN	NT	NT	NT	NT
SWS	10-244-08	8	10/18/18	<24	<59	<120	<29	200	NT	NT	NT	NT	NT	NT -	NT
Disp-1	10-271-01	2	10/22/18	<21	Detected	Detected	220	380	NT	NT	NT	NT	NT	NT	NT
Disp-2	10-271-02	2	10/22/18	<22	Detected	Detected	1,900	690	NT	NT	NT	NT	<11	<21	<0.27
Trench-1	10-271-03	3	10/22/18	<22	Detected	Detected	250	490	<0.020	<0.046	<0.046	<0.138	NT	NT	NT
Trench-2	10-271-04	3	10/22/18	<22	Detected	Detected	77	520	NT	ÑT	NT	NT	NT	NT	NT
SUMP	10-271-05	2	10/22/18	<22	Detected	Detected	110	750	<0.020	<0.044	<0.044	<0.131	NT	NT	NT
MTCA	Method Cleanup Lev	ve\**		100	2,000	2,000	2,000	2,000	0.03	7	6	9	20	250	2

#### Explanation of Abbreviations:

< = Less than the laboratory practical quantitation limit

BOLD = Result exceeds the reporting limit

BOLD and shaded = Exceeds cleanup level

LIMS = Laboratory Identification Management System number

MTCA = Model Toxics Control Act

NWTPH = Hydrocarbon Identification

NWTPH = Northwest Total Petroleum Hydrocarbon

EPA = Environmental Protection Agency

NT = Analyte not tested

NA = Not Applicable

\*\* = MTCA A unless otherwise noted

#### Table 2 - EDB EDC Soil Analysis SPU DWW UST Decommision 4500 W Marginal Way SW Migizi Group, Inc. Project Number P1356-B18

All concentrations are in milligrams per kilogram (mg/kg)

Migizi Group, Inc.									
Sample ID	LIMS	Depth (Feet)	Sample Date	VOCs EPA Method 8260C					
		,		MTBE	EDC	EDB			
DISP-1	10-226-01	NA	10/17/18	<0.00097	<0.00097	<0.00097			
DISP-2	10-226-02	NA	10/17/18	<0.00087	<0.00087	<0.00087			
DISP-3	10-226-03	NA	10/17/18	ÑŤ	NT	NT			
DISP-4	10-226-04	NA	10/17/18	NT	NT	NT			
DISP-5	10-226-05	NA	10/17/18	ŇT	ÑŤ	NT			
BASE N	10-244-01		10/18/18	<0.00082	<0.00082	<0.00082			
SWN	10-244-02	1	10/18/18	NT	NT	NT			
SWNE	10-244-03		10/18/18	NT	NT	NT			
SW MID E	10-244-04		10/18/18	NT	NT	NT			
BASE S	10-244-05		10/18/18	NT	NT	NT			
SW MID W	10-244-06		10/18/18	NT	NT	NT			
SWSW	10-244-07		10/18/18	NT	NT	NT -			
SWS	10-244-08		10/18/18	NT	NT	NT			
Disp-1	10-271-01		10/22/18	<0.00083	<0.00083	<0.00083			
Disp-2	10-271-02		10/22/18	NΤ	NT	NŤ			
Trench-1	10-271-03		10/22/18	NŤ	NT	NŤ			
Trench-2	10-271-04	Î	10/22/18	NT	NT	NT			
SUMP	10-271-05	<u> </u>	10/22/18	<0.00086	<0.00086	<0.00086			
MTCA Me	thod A or B Cleanu	0.1	11	0.005					

#### Explanation of Abbreviations:

< = Less than the laboratory practical quantitation limit

LIMS = Laboratory Identification Management System number

MTCA = Model Toxics Control Act

VOCs = Volotile organic compounds

PAHs = Polycyclic aromatic hydrocarbons

MTBE = Methyl-tert-Butyl Ether

EDC = 1,2 Dichloroethane

EDB = 1,2 Dibromoethane

LDD = 1,2 DIDIOITIOECTATIE

EPA = Environmental Protection Agency

NT = Analyte not tested

NA = Not Applicable

NE = Cleanup level not established

\* = For full list of PAHs analyzed, laboratory report is provided in Appendix A

#### Table 3 - PAHs in Soil Analyses SPU DWW UST Decommision 4500 W Marginal Way SW Migizi Group, Inc. Project Number P1356-B18

All concentrations are in milligrams per kilogram (mg/kg) Bertold Audonthere Sur de locales Chrysere Ind No. THUO KHO.II cPAH Calculation 10/17/2018 Disp-1 Stockpile 0.0 < 0.015 0.00075 < 0.015 0.0075 0.016 0.0016 < 0.015 0.00075 0.019 0.00019 < 0.015 0.00075 < 0.015 0.00075 0.01229 Base-N 10/18/2018 10.0 < 0.03 0.0015 < 0.03 0.015 < 0.03 0.0015 < 0.03 0.0015 < 0.03 0.00015 0.0015 < 0.03 < 0.03 0.0015 0.02265 10/22/2018 2' under Dispenser Disp-2 0.0 0.028 0.0028 0.032 0.032 0.044 0.0044 < 0.014 0.0007 0.04 0.004 < 0.014 0.0007 0.03 0.003 0.0476 MTCA Method A Cleanup Level 0.1

Note: if the analytical result was less than the PQL, one-half the PQL was assumed in the calculation of the adjusted constituent Toxicity Equivalent Factor

**PHOTOS** 

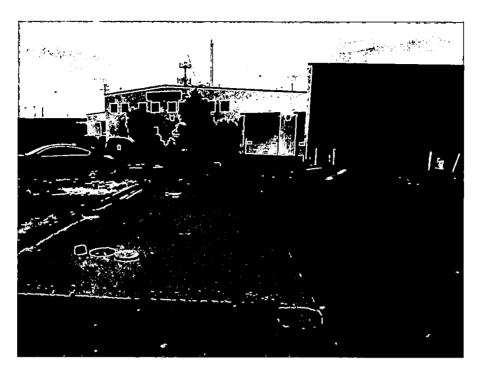


Photo 1: UST cavity under concrete on left.

Dispensers in front of building on the right (looking north, prior to demolition)



Photo 2: UST cavity surface demolition.



Photo 3: Concrete surfaces demolition looking northwest.



Photo 4: One day prior to removal, dry ice is added to the UST (Wyser).



Photo 5: UST cavity, looking south. Gasoline UST in foreground.



Photo 6: Gasoline UST after removal and being prepared for transport.



Photo 7: 5,000-gallon gasoline UST being prepared for transport.

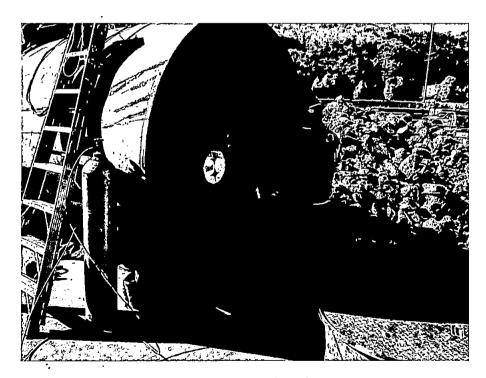


Photo 8: UST being opened up for transport.

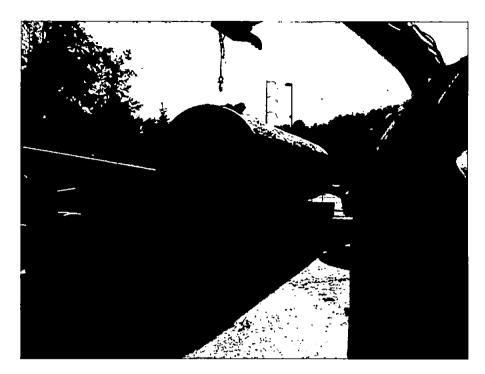


Photo 9: 20,000-gallon diesel UST being loaded for transport.



Photo 10: 20,000-gallon diesel UST loaded for transport to recycling yard.



Photo 11: The site is tidally influenced, filling the UST cavity overnight after removal (looking south)



Photo 12: Vent lines and vent line sump.

All components were installed inside of secondary containment.



Photo 13: Product line trench, looking west.

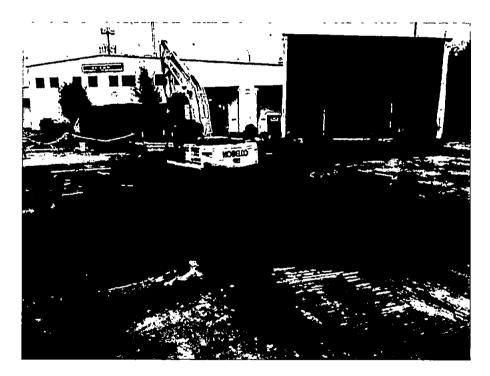


Photo 14: UST cavity being backfilled and compacted.

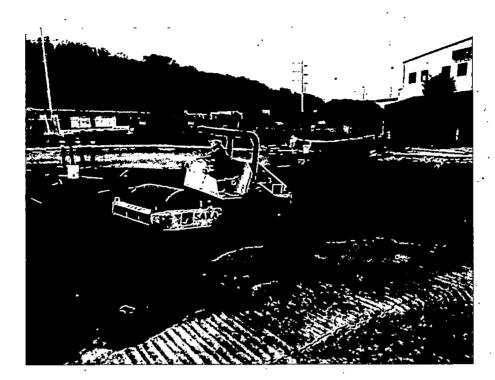


Photo 15: UST cavity being compacted (looking west)

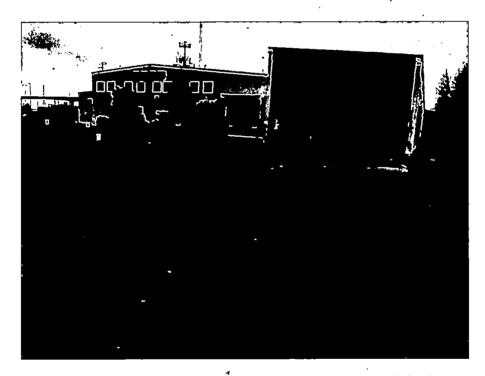


Photo 16: Completed compacted surfaces after UST system removal (looking northeast).

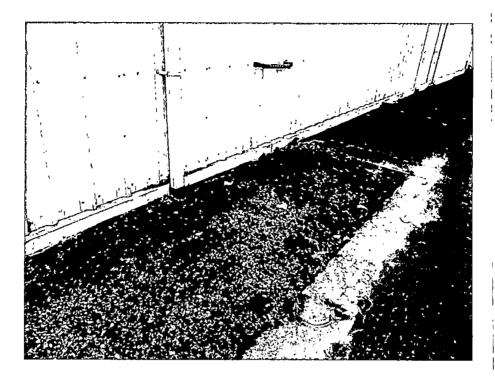


Photo 17: Area of vent sump and vent stacks, after removal.

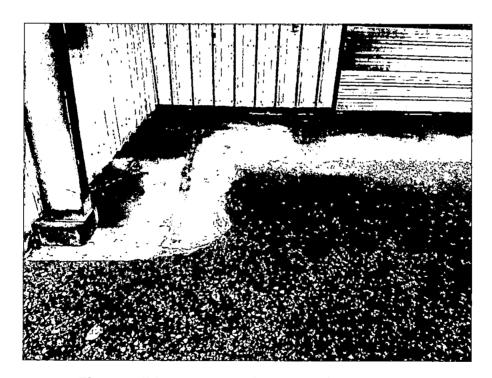
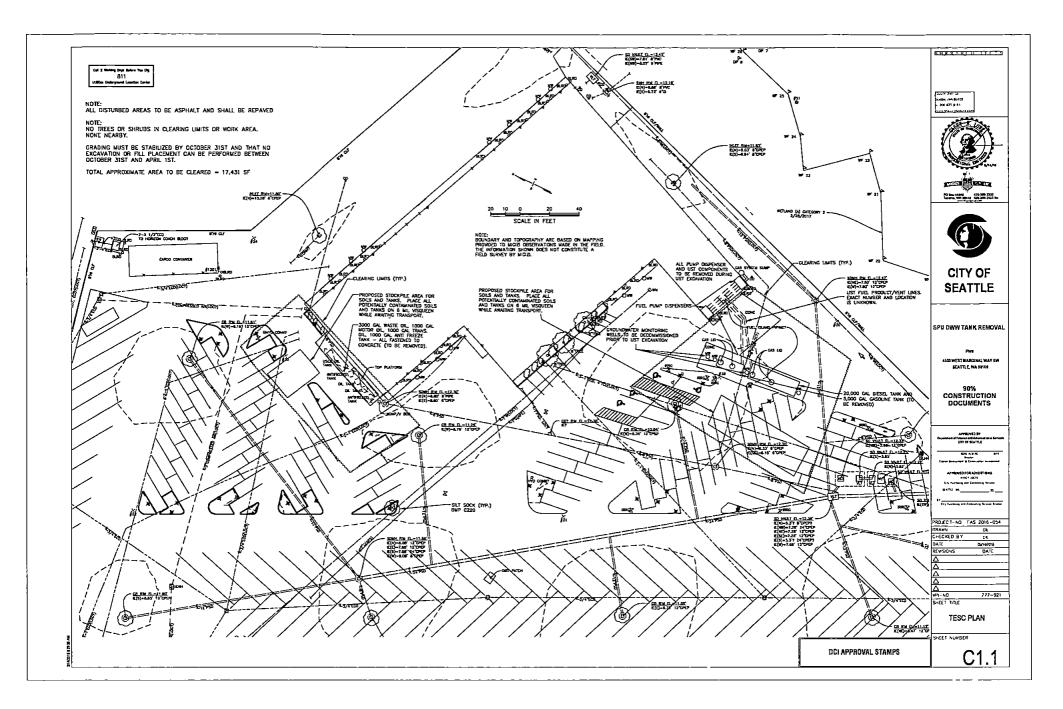


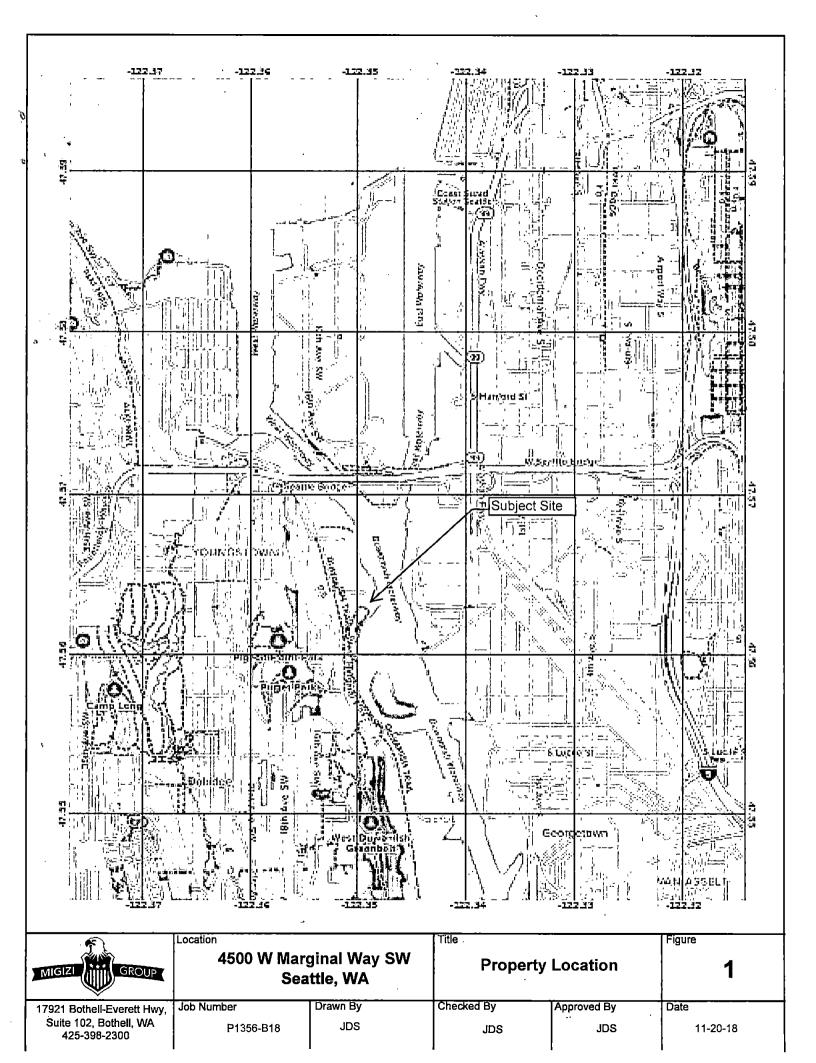
Photo 18: Dispenser area after removal and backfill.

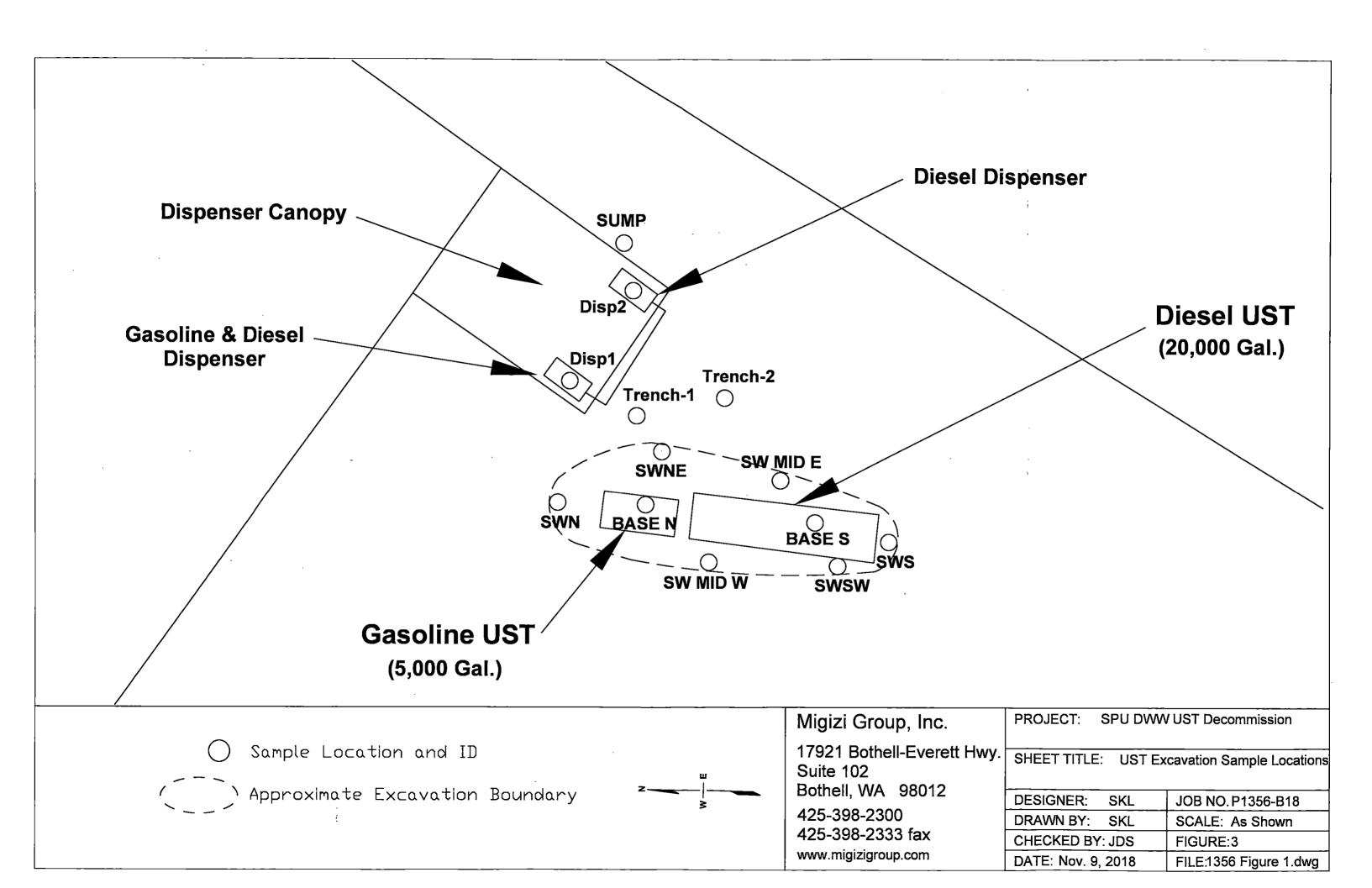


Photo 19: Area of UST cavity with dispenser location in the background under overhang.

**FIGURES** 







APPENDIX A SOIL IMPORT / EXPORT SUMMARY

Import/Export City of Seattle Dept. of Finance & Admin. Services SPU-18-1552 **Seattle Public Utilities** (Tank Removal) Mar-Vac Export Import Import: Import: Import: Import: Pump/Rinse Class 3 **Export Export** 1 1/4" Minus Type 17 Top 2" x 4" Pea DATE Concrete Asphalt Tanks Soil Quarry Backfill Course Gravel Quarry Oct. 2018 603.0 Gal√ 10/15/2018 10/17/2018 10/18/2018 205.0 galv 237.18 ton√ 10/19/2018 40.0 CY √ 40.0 CY 1208 gal 363.77 ton 10/22/2018 16.66 ton/ 249.88 tonv 10/23/2018 18.49 tonv 430.14 tonv 10/24/2018 20.0 CY√ 120.52 tonv 46.02 tonv Sub Total Tons Sub Total yds

# APPENDIX B LABORATORY ANALYTICAL REPORTS



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

November 5, 2018

Jason Souza Migizi Group, Inc. 17921 Bothell-Everett Hwy. #102 Bothell, WA 98012

Re:

Analytical Data for Project P1356-B18 Laboratory Reference No. 1810-226

Dear Jason:

Enclosed are the analytical results and associated quality control data for samples submitted on October 17, 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,

David Baumeister Project Manager

**Enclosures** 



Project: P1356-B18

# **Case Narrative**

Samples were collected on October 17, 2018 and received by the laboratory on October 17, 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.

Project: P1356-B18

# HYDROCARBON IDENTIFICATION NWTPH-HCID

Matrix: Soil

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DISP-1					
Laboratory ID:	10-226-01					
Gasoline Range Organics	ND	23	NWTPH-HCID	10-24-18	10-24-18	
Diesel Range Organics	Detected	57	NWTPH-HCID	10-24-18	10-24-18	N
Lube Oil	Detected	120	NWTPH-HCID	10-24-18	10-24-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	103	50-150				
Client ID:	DISP-2					
Laboratory ID:	10-226-02					
		04	NIMTRILLICID	10.04.10	10.04.10	
Gasoline Range Organics	ND	24	NWTPH-HCID	10-24-18	10-24-18	
Diesel Range Organics	ND	60	NWTPH-HCID	10-24-18	10-24-18	
Lube Oil	Detected	120	NWTPH-HCID	10-24-18	10-24-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	99	50-150				
Client ID:	DISP-3					
Laboratory ID:	10-226-03					
Gasoline Range Organics	ND	110	NWTPH-HCID	10-24-18	10-24-18	
Diesel Range Organics	ND	270	NWTPH-HCID	10-24-18	10-24-18	
Lube Oil	Detected	540	NWTPH-HCID	10-24-18	10-24-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	100	50-150				
011	DIOD 4					
Client ID: Laboratory ID:	<b>DISP-4</b> 10-226-04					
Gasoline Range Organics	ND	23	NWTPH-HCID	10-24-18	10.04.10	<del></del>
Diesel Range Organics	ND ND	23 58			10-24-18	114
Lube Oil	Detected	110	NWTPH-HCID NWTPH-HCID	10-24-18 10-24-18	10-24-18	UÍ
Surrogate:	Percent Recovery	Control Limits	INVITATION	10-24-16	10-24-18	
o-Terphenyl	99	50-150				
о-т втрпенут	<i>33</i>	30-130				
Client ID:	DISP-5					
Laboratory ID:	10-226-05					
Gasoline Range Organics	ND	24	NWTPH-HCID	10-24-18	10-24-18	
Diesel Range Organics	ND	61	NWTPH-HCID	10-24-18	10-24-18	
Lube Oil Range Organics	ND	120	NWTPH-HCID	10-24-18	10-24-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	102	50-150				

Project: P1356-B18

# HYDROCARBON IDENTIFICATION NWTPH-HCID QUALITY CONTROL

Matrix: Soil

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1024S1					
Gasoline Range Organics	ND	20	NWTPH-HCID	10-24-18	10-24-18	
Diesel Range Organics	ND	50	NWTPH-HCID	10-24-18	10-24-18	
Lube Oil Range Organics	ND	100	NWTPH-HCID	10-24-18	10-24-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	102	<i>50-150</i>				

### **BTEX EPA 8021B**

Matrix: Soil

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DISP-1					
Laboratory ID:	10-226-01					
Benzene	ND	0.020	EPA 8021B	10-26-18	10-26-18	
Toluene	ND	0.043	EPA 8021B	10-26-18	10-26-18	
Ethyl Benzene	ND	0.043	EPA 8021B	10-26-18	10-26-18	
m,p-Xylene	ND	0.086	EPA 8021B	10-26-18	10-26-18	
o-Xylene	ND	0.043	EPA 8021B	10-26-18	10-26-18	1
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	77	57-129				
Client ID:	DISP-2					
Laboratory ID:	10-226-02					
Benzene	ND	0.020	EPA 8021B	10-26-18	10-26-18	
Toluene	ND	0.052	EPA 8021B	10-26-18	10-26-18	
Ethyl Benzene	ND	0.052	EPA 8021B	10-26-18	10-26-18	
m,p-Xylene	ND	0.10	EPA 8021B	10-26-18	10-26-18	
o-Xylene	ND	0.052	EPA 8021B	10-26-18	10-26-18	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	88	57-129				

Project: P1356-B18

BTEX EPA 8021B QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1026S1					
Benzene	ND	0.020	EPA 8021B	10-26-18	10-26-18	
Toluene	ND	0.050	EPA 8021B	10-26-18	10-26-18	
Ethyl Benzene	ND	0.050	EPA 8021B	10-26-18	10-26-18	
m,p-Xylene	ND	0.10	EPA 8021B	10-26-18	10-26-18	
o-Xylene	ND	0.050	EPA 8021B	10-26-18	10-26-18	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	79	<i>57-129</i>				

					Source	Pe	rcent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Result	Rec	covery	Limits	RPD	Limit	Flags
DUPLICATE											
Laboratory ID:	10-22	26-01				_					
	ORIG	DUP									
Benzene	ND	ND	NA	NA			NA	NA	NA	30	
Toluene	ND	ND	NA	NA			NA	NA	NA	30	
Ethyl Benzene	ND	ND	NA	NA			NA	NA	NA	30	
m,p-Xylene	ND	ND	NA	NA			NA	NA	NA	30	
o-Xylene	ND	ND.	. NA	. NA			NA	NA_	NA	30	
Surrogate:											
Fluorobenzene						77	<i>75</i>	<i>57-129</i>			
SPIKE BLANKS											
Laboratory ID:	SB10	26S1									
	SB	SBD	SB	SBD		SB	SBD				
Benzene	0.853	0.861	1.00	1.00		85	86	69-111	1	10	
Toluene	0.826	0.837	1.00	1.00		83	84	70-114	1	11	
Ethyl Benzene	0.827	0.840	1.00	1.00		83	84	70-115	2	10	
m,p-Xylene	0.829	0.843	1.00	1.00		83	84	72-115	2	10	
o-Xylene	0.833	0.844	1.00	1.00		83	84	71-115	. 1	11	
Surrogate:											

80

83

57-129

Fluorobenzene

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

Matrix: Soil

onits. mg/kg (ppm)				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DISP-1			•	•	
Laboratory ID:	10-226-01					
Diesel Range Organics	65	57	NWTPH-Dx	10-26-18	10-26-18	N
Lube Oil	310	120	NWTPH-Dx	10-26-18	10-26-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	79	50-150				
Client ID:	DISP-2					
Laboratory ID:	10-226-02					
Diesel Range Organics	ND	60	NWTPH-Dx	10-26-18	10-26-18	
Lube Oil	200	120	NWTPH-Dx	10-26-18	10-26-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	77	50-150				
Client ID:	DISP-3					
Laboratory ID:	10-226-03					
Diesel Range Organics	ND	270	NWTPH-Dx	10-26-18	10-26-18	
Lube Oil	3400	540	NWTPH-Dx	10-26-18	10-26-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl		50-150				S
Client ID:	DISP-4					
Laboratory ID:	10-226-04					
Diesel Range Organics	ND	` 280	NWTPH-Dx	10-26-18	10-26-18	
Lube Oil	1300	560	NWTPH-Dx	10-26-18	10-26-18	
Surrogate:	Percent Recovery	Control Limits	<u> </u>	<u> </u>	<u> </u>	_
o-Terphenyl		50-150				S

Project: P1356-B18

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

Matrix: Soil

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK				-	<del></del>	
Laboratory ID:	MB1026S2					
Diesel Range Organics	ND	25	NWTPH-Dx	10-26-18	10-26-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	10-26-18	10-26-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	101	<i>50-150</i>				

					Source	Percent	Recovery		RPD	
Analyte	Res	suit	Spike	Level	Result	Recovery	Limits	RPD	Limit	Flags
DUPLICATE										
Laboratory ID:	10-32	20-01								
	ORIG	DUP								
Diesel Range	ND	ND	NA	NA		NA	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						95 104	50-150			

# PAHs + PCP EPA 8270D/SIM

onus. mg/ng				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DISP-1					
Laboratory ID:	10-226-01					
Naphthalene	ND	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
2-Methylnaphthalene	ND	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
1-Methylnaphthalene	ND .	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
Acenaphthylene	ND	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
Acenaphthene	ND	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
Fluorene	ND	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
Pentachlorophenol	ND	1.9	EPA 8270D	10-31-18	11-2-18	
Phenanthrene	ND	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
Anthracene	ND	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
Fluoranthene	0.086	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
Pyrene	0.071	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[a]anthracene	ND	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
Chrysene	0.019	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[b]fluoranthene	0.016	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo(j,k)fluoranthene	ND	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[a]pyrene	ND	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
ndeno[1,2,3-cd]pyrene	ND	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
Dibenz[a,h]anthracene	ND	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[g,h,i]perylene	ND	0.015	EPA 8270D/SIM	10-31-18	10-31-18	
Surrogate:	Percent Recovery	Control Limits				_
2-Fluorophenol	56	19 - 103				
Phenol-d6	<i>62</i>	30 - 103				
Nitrobenzene-d5	<i>57</i>	27 - 105				
2-Fluorobiphenyl	70	36 - 102				
2,4,6-Tribromophenol	<i>67</i>	33 - 110				
Terphenyl-d14	<i>8</i> 5	<i>38 - 108</i>				

Project: P1356-B18

# PAHs + PCP EPA 8270D/SIM METHOD BLANK QUALITY CONTROL

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	MB1031S1					
Naphthalene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
2-Methylnaphthalene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
1-Methylnaphthalene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Acenaphthylene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	•
Acenaphthene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Fluorene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Pentachlorophenol	ND	0.17	EPA 8270D	10-31-18	10-31-18	
Phenanthrene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Anthracene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Fluoranthene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Pyrene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[a]anthracene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Chrysene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[a]pyrene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Surrogate:	Percent Recovery	Control Limits				
2-Fluorophenol	89	19 - 103				
Phenol-d6	92	30 - 103				
Nitrobenzene-d5	88	27 - 105				
2-Fluorobiphenyl	93	36 - 102				
2,4,6-Tribromophenol	96	33 - 110				
Terphenyl-d14	106	38 - 108				

Project: P1356-B18

# PAHs + PCP EPA 8270D/SIM MS/MSD QUALITY CONTROL

					Source	Per	cent	Recovery		RPD	
Analyte	Re	sult	Spike	Level	Result	Rec	overy	Limits	RPD	Limit	Flags
MATRIX SPIKES	-					_				,	
Laboratory ID:	10-3	74-03									
	MS	MSD	MS	MSD		MS	MSD			·	
Phenol	0.976	1.07	1.33	1.33	ND	73	80	37 - 100	9	27	
2-Chlorophenol	1.08	1.17	1.33	1.33	ND	81	88	37 - 100	8	32	
1,4-Dichlorobenzene	0.539	0.580	0.667	0.667	ND	81	87	23 - 100	7	37	
n-Nitroso-di-n-propylamine	0.526	0.560	0.667	0.667	ND	79	84	40 - 100	6	28	
1,2,4-Trichlorobenzene	0.549	0.601	0.667	0.667	ND	82	90	37 - 100	9	30	
4-Chloro-3-methylphenol	1.13	1.20	1.33	1.33	ND	85	90	46 - 100	6	25	
Acenaphthene	0.567	0.581	0.667	0.667	ND	85	87	43 - 100	2	25	
4-Nitrophenol	1.21	1.22	1.33	1.33	ND	91	92	31 - 104	1	28	
2,4-Dinitrotoluene	0.567	0.564	0.667	0.667	ND	85	85	31 - 100	1	32	
Pentachlorophenol	1.42	1.42	1.33	1.33	ND	107	107	20 - 123	0	29	
Pyrene	0.597	0.608	0.667	0.667	ND	90	91	28 - 114	2	35	
Surrogate:											
2-Fluorophenol						73	80	19 - 103			
Phenol-d6						74	80	30 - 103			
Nitrobenzene-d5						74	79	27 - 105			
2-Fluorobiphenyl						77	80	36 - 102			
2,4,6-Tribromophenol						87	86	33 - 110			
Terphenyl-d14						87	89	38 - 108			

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

Matrix: Soil

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DISP-1		-			
Laboratory ID:	10-226-01					
Arsenic	ND	11	EPA 6010D	10-26-18	10-26-18	
Lead	ND	5.7	EPA 6010D	10-26-18	10-26-18	
Mercury	ND	0.29	EPA 7471B	10-26-18	10-26-18	

Project: P1356-B18

# TOTAL METALS EPA 6010D/7471B QUALITY CONTROL

Matrix: Soil

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1026SM1					
Arsenic	ND	10	EPA 6010D	10-26-18	10-26-18	
Lead	ND	5.0	EPA 6010D	10-26-18	10-26-18	
Laboratory ID:	MB1026S1					
Mercury	ND	0.25	EPA 7471B	10-26-18	10-26-18	

					Source	Pe	rcent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Result	Rec	overy	Limits	RPD	Limit	Flags
DUPLICATE											
Laboratory ID:	10-30	09-02									
	ORIG	DUP							<del>-</del> -		
Arsenic	ND	ND	NA	NA			NA	NA	NA	20	
Lead	ND	ND	NA	NA		l	NA	NA	NA	20	
Laboratory ID:	10-30	09-02									
Mercury	ND	ND	NA	NA			NA	NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	10-36	09-02									
	MS	MSD	MS	MSD		MS	MSD				_
Arsenic	94.0	99.6	100	100	ND	94	100	75-125	6	20	
Lead	250	247	250	250	ND.	100	99	75-125	1	20	
Laboratory ID:	10-30	09-02									
Mercury	0.482	0.507	0.500	0.500	0.0194	93	98	80-120	5	20	

# **VOLATILE ORGANICS EPA 8260C**

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DISP-1	<del></del>	<del></del>			
Laboratory ID:	10-226-01					
Methyl t-Butyl Ether	ND	0.00097	EPA 8260C	10-29-18	10-29-18	
1,2-Dichloroethane	ND	0.00097	EPA 8260C	10-29-18	10-29-18	
1,2-Dibromoethane	ND	0.00097	EPA 8260C	10-29-18	10-29-18	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	106	68-139				
Toluene-d8	101	79-128				
4-Bromofluorobenzene	94	71-132				

# **VOLATILE ORGANICS EPA 8260C**

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DISP-2					
Laboratory ID:	10-226-02					
Methyl t-Butyl Ether	ND	0.00087	EPA 8260C	10-29-18	10-29-18	
1,2-Dichloroethane	ND	0.00087	EPA 8260C	10-29-18	10-29-18	
1,2-Dibromoethane	ND	0.00087	EPA 8260C	10-29-18	10-29-18	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	103	68-139				
Toluene-d8	100	<i>79-128</i>				
4-Bromofluorobenzene	128	71-132				

Project: P1356-B18

### VOLATILE ORGANICS EPA 8260C METHOD BLANK QUALITY CONTROL

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
•						
Laboratory ID:	MB1029S1					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	10-29-18	10-29-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	10-29-18	10-29-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	10-29-18	10-29-18	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	102	68-139				
Toluene-d8	102	79-128				
4-Bromofluorobenzene	101	71-132				

Project: P1356-B18

# VOLATILE ORGANICS EPA 8260C SB/SBD QUALITY CONTROL

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Rece	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB10	29S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0494	0.0499	0.0500	0.0500	99	100	53-141	1	17	
Benzene	0.0528	0.0507	0.0500	0.0500	106	101	70-130	4	15	
Trichloroethene	0.0488	0.0476	0.0500	0.0500	98	95	74-122	2	16	
Toluene	0.0499	0.0486	0.0500	0.0500	100	97	76-130	3	15	
Chlorobenzene	0.0462	0.0461	0.0500	0.0500	92	92	75-120	0	14	
Surrogate:										
Dibromofluoromethane					103	102	68-139			
Toluene-d8					<i>99</i>	99	<i>79-128</i>			
4-Bromofluorobenzene					98	101	71-132			

# % MOISTURE

Date Analyzed: 10-24-18

Client ID	Lab ID	% Moisture
DISP-1	10-226-01	13
DISP-2	10-226-02	17
DISP-3	10-226-03	7
DISP-4	10-226-04	11
DISP-5	10-226-05	17



#### **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



MA	OnSite	
f	<b>Environmental</b>	inc.

# **Chain of Custody**

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Page		of _	<u> </u>	

14648	al Laboratory Testing Services NE 95th Street • Redmond, WA 98052		rnaround Req in working da			L	abor	ato	ry ì	Numb	er:	1	0	<u>-2</u>	26	<u> </u>							
Project Name:  Project Manager:	(425) 883-3881 · www.onsite-env.com  (4121) GPOUP  (356-BP8  VW USTS  (1)5	Sam	•	1 Day 3 Days	ontainers	Q	STEX	NWTPH-Gx	☐ Acid / SG Clean-up)	Volatiles BZDUC $EDS$ , $EDC$ , $NTBE$	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs) PAHs 8270D/SIM (low-level)		Organochlorine Pesticides 8081B Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herblcides 8151A	Metals	Wetaly S Db. Ha	<u> </u>	HEM (oil and grease) 1664A	लेंद्र द			
	DC .	Date	(other)		Number of Containers	NWTPH-HCID	WHEN EXERT	NWTPH-GX	) XO-HAIM	Volatiles 8250C	OB EPA 80	emivolatiles tith low-lev AHs 8270D	PCBs 8082A	rganochlori rganophosi	hlorinated /	Total RCRA Metals	Total MTOR Metals	TCLP Metals	EM (oil and	Horr			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 5, 2018

Jason Souza Migizi Group, Inc. 17921 Bothell-Everett Hwy. #102 Bothell, WA 98012

Re:

Analytical Data for Project P1356-B18 Laboratory Reference No. 1810-244

#### Dear Jason:

Enclosed are the analytical results and associated quality control data for samples submitted on October 18, 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,

David Baumeister Project Manager

**Enclosures** 

Project: P1356-B18

# **Case Narrative**

Samples were collected on October 18, 2018 and received by the laboratory on October 18, 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.

Project: P1356-B18

# HYDROCARBON IDENTIFICATION NWTPH-HCID

Matrix: Soil

units: mg/kg (ppm)				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	BASE N					
Laboratory ID:	10-244-01					
Gasoline Range Organics	ND	23	NWTPH-HCID	10-24-18	10-24-18	•
Diesel Range Organics	ND	57	NWTPH-HCID	10-24-18	10-24-18	
Lube Oil	Detected	110	NWTPH-HCID	10-24-18	10-24-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	105	<i>50-150</i>				
Client ID:	SWN					
Laboratory ID:	10-244-02					
Gasoline Range Organics	ND ND	24	NWTPH-HCID	10-24-18	10-24-18	
Diesel Range Organics	ND	59	NWTPH-HCID	10-24-18	10-24-18	
Lube Oil Range Organics	ND	120	NWTPH-HCID	10-24-18	10-24-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	104	50-150				
, ,						
Client ID:	CWNE					
	SWNE					
Laboratory ID:	10-244-03		NIMETRIALIOIR	10.04.10	40.04.40	
Gasoline Range Organics	ND	22	NWTPH-HCID	10-24-18	10-24-18	N.
Diesel Range Organics	Detected	55 110	NWTPH-HCID NWTPH-HCID	10-24-18	10-24-18	N
Lube Oil	Detected		NW I PH-HCID	10-24-18	10-24-18	
Surrogate: o-Terphenyl	Percent Recovery - 108	50-150				
0-1 erpnenyi	100	30-130				
Client ID:	SWMID E					
Laboratory ID:	10-244-04					
Gasoline Range Organics	ND	24	NWTPH-HCID	10-24-18	10-24-18	
Diesel Range Organics	ND	59	NWTPH-HCID	10-24-18	10-24-18	
Lube Oil Range Organics	ND	120	NWTPH-HCID	10-24-18	10-24-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	103	50-150				
Client ID:	BASE S					
Laboratory ID:	10-244-05					
Gasoline Range Organics	ND	26	NWTPH-HCID	10-24-18	10-24-18	
Diesel Range Organics	ND	64	NWTPH-HCID	10-24-18	10-24-18	
Lube Oil Range Organics	ND	130	NWTPH-HCID	10-24-18	10-24-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	99	<i>50-150</i>				

### **HYDROCARBON IDENTIFICATION NWTPH-HCID**

Matrix: Soil

3 3 4 1 7				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SWMID W			•	-	
Laboratory ID:	10-244-06					
Gasoline Range Organics	ND	24	NWTPH-HCID	10-24-18	10-24-18	-
Diesel Range Organics	ND	61	NWTPH-HCID	10-24-18	10-24-18	
Lube Oil Range Organics	ND	120	NWTPH-HCID	10-24-18	10-24-18	
Surrogate:	Percent Recovery	Control Limits				-
o-Terphenyl	104	<i>50-150</i>				
All . In						
Client ID:	SWSW					
Laboratory ID:	10-244-07					
Gasoline Range Organics	ND	26	NWTPH-HCID	10-24-18	10-24-18	
Diesel Range Organics	ND	66	NWTPH-HCID	10-24-18	10-24-18	
Lube Oil Range Organics	ND	130	NWTPH-HCID	10-24-18	10-24-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	103	50-150				
Client ID:	sws					
	••					
Laboratory ID:	10-244-08					
Gasoline Range Organics	ND	24	NWTPH-HCID	10-24-18	10-24-18	
Diesel Range Organics	ND	59	NWTPH-HCID	10-24-18	10-24-18	
Lube Oil	Detected	120	NWTPH-HCID	10-24-18	10-24-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	101	50-150				

# **HYDROCARBON IDENTIFICATION NWTPH-HCID QUALITY CONTROL**

Matrix: Soil

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1024S1			_		
Gasoline Range Organics	ND	20	NWTPH-HCID	10-24-18	10-24-18	
Diesel Range Organics	ND	50	NWTPH-HCID	10-24-18	10-24-18	
Lube Oil Range Organics	ND	100	NWTPH-HCID	10-24-18	10-24-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	102	50-150				

Project: P1356-B18

BTEX EPA 8021B

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SWNE	·				
Laboratory ID:	10-244-03					
Benzene	ND	0.020	EPA 8021B	10-26-18	10-26-18	
Toluene	ND	0.051	EPA 8021B	10-26-18	10-26-18	
Ethyl Benzene	ND	0.051	EPA 8021B	10-26-18	10-26-18	
m,p-Xylene	ND	0.10	EPA 8021B	10-26-18	10-26-18	
o-Xylene	ND	0.051	EPA 8021B	10-26-18	10-26-18	
Surrogata:	Paraant Pagayany	Control Limita			•	

Surrogate: Percent Recovery Control Limits
Fluorobenzene 81 57-129

**RPD** 

Date of Report: November 5, 2018 Samples Submitted: October 18, 2018 Laboratory Reference: 1810-244

Project: P1356-B18

# BTEX EPA 8021B QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK	-					
Laboratory ID:	MB1026S1					
Benzene	ND	0.020	EPA 8021B	10-26-18	10-26-18	
Toluene	ND	0.050	EPA 8021B	10-26-18	10-26-18	
Ethyl Benzene	ND	0.050	EPA 8021B	10-26-18	10-26-18	
m,p-Xylene	ND	0.10	EPA 8021B	10-26-18	10-26-18	
o-Xylene	ND	0.050	EPA 8021B	10-26-18	10-26-18	
Surrogate:	Percent Recovery	Control Limits	_			
Fluorobenzene	79	57-129				

Source

Percent

Recovery

Analyte	Res	sult	Spike	Level	Result	Rec	covery	Limits	RPD	Limit	Flags
DUPLICATE											
Laboratory ID:	10-22	26-01									
	ORIG	DUP									
Benzene	ND	ND	NA	NA			NA	NA	NA	30	
Toluene	ND	ND	NA	NA			NA	NA	NA	30	
Ethyl Benzene	ND	ND	NA	NA			NA	NA	NA	30	
m,p-Xylene	ND	ND	NA	NA			NA	NA	NA	30	
o-Xylene	ND	ND	NA	NA			NA	NA	NA	30	
Surrogate:											
Fluorobenzene						<i>77</i>	<i>75</i>	<i>57-129</i>			
SPIKE BLANKS											
Laboratory ID:	SB10	26S1									
	SB	SBD	SB	SBD		SB	SBD				
Benzene	0.853	0.861	1.00	1.00		85	86	69-111	1	10	
Toluene	0.826	0.837	1.00	1.00		83	84	70-114	1	11	
Ethyl Benzene	0.827	0.840	1.00	1.00		83	84	70-115	2	10	
m,p-Xylene	0.829	0.843	1.00	1.00		83	84	72-115	2	10	
o-Xylene	0.833	0.844	1.00	1.00		83	84	71-115	1	11	
Surrogate:		-	<u> </u>							-	
Fluorobenzene						80	83	57-129			

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

Matrix: Soil

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	BASE N	-	•			
Laboratory ID:	10-244-01					
Diesel Range Organics	ND	280	NWTPH-Dx	10-26-18	10-26-18	
Lube Oil	1300	570	NWTPH-Dx	10-26-18	10-26-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl		50-150				S
Client ID:	SWNE					
Laboratory ID:	10-244-03					
Diesel Range Organics	320	280	NWTPH-Dx	10-26-18	10-26-18	
Lube Oil	1400	550	NWTPH-Dx	10-26-18	10-26-18	14
Surrogate:	Percent Recovery	Control Limits	THE TAX	10 20 10	10 20 10	
o-Terphenyl		50-150				S
Client ID:	SWS					
Laboratory ID:	10-244-08					
Diesel Range Organics	ND	29	NWTPH-Dx	10-26-18	10-31-18	
Lube Oil	200	59	NWTPH-Dx	10-26-18	10-31-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	109	<i>50-150</i>				

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

Matrix: Soil

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						_
Laboratory ID:	MB1026S2					
Diesel Range Organics	ND	25	NWTPH-Dx	10-26-18	10-26-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	10-26-18	10-26-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	101	<i>50-150</i>				

					Source	Percent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Result	Recovery	Limits	RPD	Limit	Flags
DUPLICATE										
Laboratory ID:	10-27	71-03								
	ORIG	DUP								
Diesel Fuel #2	225	235	NA	NA		NA	NA	4	NA	
Lube Oil	454	426	NA	NA		NA	NA	6	NA	
Surrogate:										
o-Terphenyl						99 99	50-150			

Project: P1356-B18

# PAHs + PCP EPA 8270D/SIM

Result   PQL   Method   Prepared   Analyzed   Flags					Date	Date	
Client ID:	<u>Analy</u> te	Result	PQL	Method	Prepared	Analyzed	Flags
Naphthalene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           2-Methylnaphthalene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           1-Methylnaphthalene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Acenaphthylene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Acenaphthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Fluorene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pentachlorophenol         ND         3.8         EPA 8270D         10-31-18         10-31-18           Phenanthrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Phenanthrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Phenanthrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pyrene         0.032         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pyrene         0.038         0.030         EPA 8270D/SIM	Client ID:	BASE N					
2-Methylnaphthalene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           1-Methylnaphthalene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Acenaphthylene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Acenaphthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Fluorene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pentachlorophenol         ND         3.8         EPA 8270D/SIM         10-31-18         11-3-18           Phenanthrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Phenanthrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Phracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pyrene         0.032         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pyrene         0.038         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Chrysene         ND         0.030         EPA 8270D/SIM	Laboratory ID:	10-244-01					
1-Methylnaphthalene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Acenaphthylene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Acenaphthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Fluorene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pentachlorophenol         ND         3.8         EPA 8270D/SIM         10-31-18         11-3-18           Phenanthrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Fluoranthene         0.032         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pyrene         0.038         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Chrysene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[b]fluoranthene         ND         0.030         EPA 8270D/	Naphthalene	ND	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
Acenaphthylene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Acenaphthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Fluorene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pentachlorophenol         ND         3.8         EPA 8270D/SIM         10-31-18         11-3-18           Phenanthrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Fluoranthene         0.032         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pyrene         0.038         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Chrysene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[o]fluoranthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]pyrene         ND         0.030         EPA 8270D/SIM	2-Methylnaphthalene	ND	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
Acenaphthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Fluorene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pentachlorophenol         ND         3.8         EPA 8270D         10-31-18         11-3-18           Phenanthrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Fluoranthene         0.032         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pyrene         0.038         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Chrysene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[b]fluoranthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Indeno[1,2,3-cd]pyrene         ND         0.030         EPA 8270D/S	1-Methylnaphthalene	ND	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
Fluorene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pentachlorophenol         ND         3.8         EPA 8270D         10-31-18         11-3-18           Phenanthrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Fluoranthene         0.032         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pyrene         0.038         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Chrysene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]fluoranthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Indeno[1,2,3-cd]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Dibenz[a,h]anthracene         ND         0.030         EP	Acenaphthylene	ND	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
Pentachlorophenol         ND         3.8         EPA 8270D         10-31-18         11-3-18           Phenanthrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Fluoranthene         0.032         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pyrene         0.038         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Chrysene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[b]fluoranthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Indeno[1,2,3-cd]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Dibenz[a,h]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[g,h,i]perylene         ND         0.030	Acenaphthene	ND	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
Phenanthrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Fluoranthene         0.032         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pyrene         0.038         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Chrysene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[b]fluoranthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Indeno[1,2,3-cd]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Dibenz[a,h]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[g,h,i]perylene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Surrogate:         Percent Recovery <td< td=""><td>Fluorene</td><td>ND</td><td>0.030</td><td>EPA 8270D/SIM</td><td>10-31-18</td><td>10-31-18</td><td></td></td<>	Fluorene	ND	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
Anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Fluoranthene         0.032         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pyrene         0.038         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Chrysene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[b]fluoranthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Indeno[1,2,3-cd]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Dibenz[a,h]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[g,h,i]perylene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Surrogate:         Percent Recovery         Control Limits	Pentachlorophenol	ND	3.8	EPA 8270D	10-31-18	11-3-18	
Fluoranthene         0.032         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Pyrene         0.038         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Chrysene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[b]fluoranthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Indeno[1,2,3-cd]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Dibenz[a,h]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[g,h,i]perylene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Surrogate:         Percent Recovery         Control Limits	Phenanthrene	ND	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
Pyrene         0.038         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Chrysene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[b]fluoranthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a,b]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Dibenz[a,h]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[g,h,i]perylene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Surrogate:         Percent Recovery         Control Limits	Anthracene	ND	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[a]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Chrysene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[b]fluoranthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Indeno[1,2,3-cd]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Dibenz[a,h]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[g,h,i]perylene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Surrogate:         Percent Recovery         Control Limits	Fluoranthene	0.032	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
Chrysene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[b]fluoranthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo(j,k)fluoranthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Indeno[1,2,3-cd]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Dibenz[a,h]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[g,h,i]perylene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Surrogate:         Percent Recovery         Control Limits	Pyrene	0.038	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[b]fluoranthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo(j,k)fluoranthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Indeno[1,2,3-cd]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Dibenz[a,h]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[g,h,i]perylene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Surrogate:         Percent Recovery         Control Limits	Benzo[a]anthracene	ND	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo(j,k)fluoranthene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[a]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Indeno[1,2,3-cd]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Dibenz[a,h]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[g,h,i]perylene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Surrogate:         Percent Recovery         Control Limits	Chrysene	ND	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[a]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Indeno[1,2,3-cd]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Dibenz[a,h]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[g,h,i]perylene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Surrogate:         Percent Recovery         Control Limits	Benzo[b]fluoranthene	ND	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
Indeno[1,2,3-cd]pyrene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Dibenz[a,h]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[g,h,i]perylene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Surrogate:         Percent Recovery         Control Limits	Benzo(j,k)fluoranthene	ND	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
Dibenz[a,h]anthracene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Benzo[g,h,i]perylene         ND         0.030         EPA 8270D/SIM         10-31-18         10-31-18           Surrogate:         Percent Recovery         Control Limits	Benzo[a]pyrene	ND	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[g,h,i]perylene ND 0.030 EPA 8270D/SIM 10-31-18 10-31-18  Surrogate: Percent Recovery Control Limits	Indeno[1,2,3-cd]pyrene	ND	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
Surrogate: Percent Recovery Control Limits	Dibenz[a,h]anthracene	ND	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
	Benzo[g,h,i]perylene	ND	0.030	EPA 8270D/SIM	10-31-18	10-31-18	
2-Fluorophenol 79 19 - 103	Surrogate:	Percent Recovery	Control Limits		_		
	2-Fluorophenol	<i>79</i>	19 - 103				
Phenol-d6 79 30 - 103	Phenol-d6	<i>79</i>	30 - 103				
Nitrobenzene-d5 75 27 - 105			27 - 105				
2-Fluorobiphenyl 81 36 - 102		81					
2,4,6-Tribromophenol 75 33 - 110	2,4,6-Tribromophenol		33 - 110				
Terphenyl-d14 97 38 - 108	Terphenyl-d14	97	<i>38</i> - 108				

# PAHs + PCP EPA 8270D/SIM METHOD BLANK QUALITY CONTROL

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	MB1031S1					
Laboratory ID: Naphthalene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
•		0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
2-Methylnaphthalene	ND ND					
1-Methylnaphthalene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Acenaphthylene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Acenaphthene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Fluorene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Pentachlorophenol	ND	0.17	EPA 8270D	10-31-18	10-31-18	
Phenanthrene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Anthracene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Fluoranthene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Pyrene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[a]anthracene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Chrysene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[a]pyrene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Surrogate:	Percent Recovery	Control Limits				
2-Fluorophenol	<i>89</i>	19 - 103				
Phenol-d6	92	30 - 103				
Nitrobenzene-d5	88	27 - 105				
2-Fluorobiphenyl	93	36 - 102				
2,4,6-Tribromophenol	96	33 - 110				
Terphenyl-d14	106	38 - 108				
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# PAHs + PCP EPA 8270D/SIM MS/MSD QUALITY CONTROL

					Source	Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Result	Rec	overy	Limits	RPD	Limit	Flags
MATRIX SPIKES											
Laboratory ID:	10-37	74-03									
	MS	MSD	MS	MSD		MS	MSD				
Phenol	0.976	1.07	1.33	1.33	ND	73	80	37 - 100	9	27	
2-Chlorophenol	1.08	1.17	1.33	1.33	ND	81	88	37 - 100	8	32	
1,4-Dichlorobenzene	0.539	0.580	0.667	0.667	ND	81	87	23 - 100	7	37	
n-Nitroso-di-n-propylamine	0.526	0.560	0.667	0.667	ND	79	84	40 - 100	6	28	
1,2,4-Trichlorobenzene	0.549	0.601	0.667	0.667	ND	82	90	37 - 100	9	30	
4-Chloro-3-methylphenol	1.13	1.20	1.33	1.33	ND	85	90	46 - 100	6	25	
Acenaphthene	0.567	0.581	0.667	0.667	ND	85	87	43 - 100	2	25	
4-Nitrophenol	1.21	1.22	1.33	1.33	ND	91	92	31 - 104	1	28	
2,4-Dinitrotoluene	0.567	0.564	0.667	0.667	ND	85	85	31 - 100	1	32	
Pentachlorophenol	1.42	1.42	1.33	1.33	ND	107	107	20 - 123	0	29	
Pyrene	0.597	0.608	0.667	0.667	ND	90	91	28 - 114	2	35	
Surrogate:											
2-Fluorophenol						<i>73</i>	80	19 - 103			
Phenol-d6						74	80	30 - 103			
Nitrobenzene-d5						74	79	27 - 105			
2-Fluorobiphenyl						77	80	<i>36 - 102</i>			
2,4,6-Tribromophenol						87	86	33 - 110			
Terphenyl-d14						<i>87</i>	89	38 - 108			

# **VOLATILE ORGANICS EPA 8260C**

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	SWNE		-			-
Laboratory ID:	10-244-03					
Methyl t-Butyl Ether	ND	0.00082	EPA 8260C	10-29-18	10-29-18	
1,2-Dichloroethane	ND	0.00082	EPA 8260C	10-29-18	10-29-18	
1,2-Dibromoethane	ND	0.00082	EPA 8260C	10-29-18	10-29-18	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	103	68-139				
Toluene-d8	101	79-128				
4-Bromofluorobenzene	103	71-132				

Date of Report: November 5, 2018 Samples Submitted: October 18, 2018 Laboratory Reference: 1810-244 Project: P1356-B18

#### **VOLATILE ORGANICS EPA 8260C** METHOD BLANK QUALITY CONTROL

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Laboratory ID:	MB1029S1					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	10-29-18	10-29-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	10-29-18	10-29-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	10-29-18	10-29-18	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	102	68-139				
Toluene-d8	102	79-128				
4-Bromofluorobenzene	101	71-132				

Project: P1356-B18

#### VOLATILE ORGANICS EPA 8260C SB/SBD QUALITY CONTROL

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Rece	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS						_				
Laboratory ID:	SB10	29S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0494	0.0499	0.0500	0.0500	99	100	53-141	1	17	
Benzene	0.0528	0.0507	0.0500	0.0500	106	101	70-130	4	15	
Trichloroethene	0.0488	0.0476	0.0500	0.0500	98	95	74-122	2	16	
Toluene	0.0499	0.0486	0.0500	0.0500	100	97	76-130	3	15	
Chlorobenzene	0.0462	0.0461	0.0500	0.0500	92	92	75-120	0	14	
Surrogate:					-					
Dibromofluoromethane					103	102	<i>68-139</i>			
Toluene-d8					99	99	<i>79-128</i>			
4-Bromofluorobenzene					98	101	71-1 <b>32</b>			

Date of Report: November 5, 2018 Samples Submitted: October 18, 2018 Laboratory Reference: 1810-244 Project: P1356-B18

#### % MOISTURE

Date Analyzed: 10-24-18

Client ID	Lab ID	% Moisture
BASE N	10-244-01	12
SWN	10-244-02	15
SWNE	10-244-03	10
SWMID E	10-244-04	15
BASE S	10-244-05	22
SWMID W	10-244-06	18
swsw	10-244-07	24
sws	10-244-08	15



#### **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



MA	AnSite
	Environmental Inc.

# **Chain of Custody**

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Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052		taround Requ working day			Li	abo	rato	ry N	lumb	er:	1	0 -	24	4									
Phone: (425) 883-3881 - www.onsite-env.com  Company:  MIGIZI GROUP, INC.  Project Number:  Pl356-BI8  Project Name:  SPU DWW  Project Manager:	Same	-	1 Day	ners		2		NW I PH-Dx (  Acid / SG Clean-up)	DB, FDC, MTBE les 82600	iters Only)	D/SIM	ナタア	sticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A					223			
Sampled by: JDS	Date	(other)		Number of Containers	NWTPH-HCID	NWTPH-S (BTEX	NWTPH-Gx	NW I PH-Dx (	を p B 、 たみ C Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PCBs 8082A	Organochlorine Pesticides 8081B	ganophosphorus	Iorinated Acid H	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	444			% Moisture
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14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

November 6, 2018

Jason Souza Migizi Group, Inc. 17921 Bothell-Everett Hwy. #102 Bothell, WA 98012

Re:

Analytical Data for Project P1356-B18 Laboratory Reference No. 1810-271

#### Dear Jason:

Enclosed are the analytical results and associated quality control data for samples submitted on October 22, 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,

David Baumeister Project Manager

**Enclosures** 



Project: P1356-B18

#### **Case Narrative**

Samples were collected on October 22, 2018 and received by the laboratory on October 22, 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.

#### Semivolatiles EPA 8270D/SIM Analysis

Sample Disp-2 had one surrogate recovery outside of control limits. The sample was re-extracted and re-analyzed with similar results, indicating probable matrix interference.

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.

#### **HYDROCARBON IDENTIFICATION NWTPH-HCID**

Matrix: Soil

Units: mg/Kg (ppm)

onits. Ing/kg (ppin)				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	Disp-1					
Laboratory ID:	10-271-01			10.00.10	10.00.10	
Gasoline Range Organics	ND	21	NWTPH-HCID	10-23-18	10-23-18	
Diesel Range Organics	Detected	53	NWTPH-HCID	10-23-18	10-23-18	
Lube Oil	Detected	110	NWTPH-HCID	10-23-18	10-23-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	103	50-150				
Client ID:	Disp-2					
Laboratory ID:	10-271-02					
Gasoline Range Organics	ND	22	NWTPH-HCID	10-23-18	10-23-18	
Diesel Fuel #2	Detected	54	NWTPH-HCID	10-23-18	10-23-18	
Lube Oil Range Organics	Detected	110	NWTPH-HCID	10-23-18	10-23-18	N1
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	108	50-150				
Client ID:	Trench-1					
Laboratory ID:	10-271-03					
Gasoline Range Organics	ND	22	NWTPH-HCID	10-23-18	10-23-18	
Diesel Fuel #2	Detected	54	NWTPH-HCID	10-23-18	10-23-18	
Lube Oil	Detected	110	NWTPH-HCID	10-23-18	10-23-18	
Surrogate:	Percent Recovery	Control Limits	THE THOLD	10 20 10	10 20 10	
o-Terphenyl	105	50-150				
o roipiiony.		00 .00				
Client ID:	Trench-2					
Laboratory ID:	10-271-04 ND	22	NWTPH-HCID	10-23-18	10-23-18	<del></del>
Gasoline Range Organics Diesel Range Organics	Detected	56	NWTPH-HCID	10-23-18	10-23-18	N
Lube Oil	Detected	110	NWTPH-HCID	10-23-18	10-23-18	IN
Surrogate:	Percent Recovery	Control Limits	1444111111012	10 20 10	10 20 10	<u> </u>
o-Terphenyl	102	50-150				
o respirativi	702	00 700				
Client ID:	SUMP					
Laboratory ID:	10-271-05					
Gasoline Range Organics	ND .	22	NWTPH-HCID	10-23-18	10-23-18	
Diesel Range Organics	Detected	54	NWTPH-HCID	10-23-18	10-23-18	N
Lube Oil	Detected	110	NWTPH-HCID	10-23-18	10-23-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	97	50-150				

Project: P1356-B18

#### **HYDROCARBON IDENTIFICATION NWTPH-HCID QUALITY CONTROL**

Matrix: Soil

Units: mg/Kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK		<del>-</del>				
Laboratory ID:	MB1023S1					
Gasoline Range Organics	ND	20	NWTPH-HCID	10-23-18	10-23-18	
Diesel Range Organics	ND	50	NWTPH-HCID	10-23-18	10-23-18	
Lube Oil Range Organics	ND	100	NWTPH-HCID	10-23-18	10-23-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	97	<i>50-150</i>				

Project: P1356-B18

#### BTEX EPA 8021B

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	Trench-1					-
Laboratory ID:	10-271-03					
Benzene	ND	0.020	EPA 8021B	10-26-18	10-26-18	
Toluene	ND	0.046	EPA 8021B	10-26-18	10-26-18	
Ethyl Benzene	ND	0.046	EPA 8021B	10-26-18	10-26-18	
m,p-Xylene	ND	0.092	EPA 8021B	10-26-18	10-26-18	
o-Xylene	ND	0.046	EPA 8021B	10-26-18	10-26-18	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	86	<i>57-129</i>				
Client ID:	SUMP					
Laboratory ID:	10-271-05					
Benzene	ND	0.020	EPA 8021B	10-26-18	10-26-18	
Toluene	ND	0.044	EPA 8021B	10-26-18	10-26-18	
Ethyl Benzene	ND	0.044	EPA 8021B	10-26-18	10-26-18	
m,p-Xylene	ND	0.087	EPA 8021B	10-26-18	10-26-18	
o-Xylene	ND	0.044	EPA 8021B	10-26-18	10-26-18	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	84	57-129				

Project: P1356-B18

#### BTEX EPA 8021B QUALITY CONTROL

Matrix: Soil

Units: mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK		•				
Laboratory ID:	MB1026S1					
Benzene	ND	0.020	EPA 8021B	10-26-18	10-26-18	
Toluene	ND	0.050	EPA 8021B	10-26-18	10-26-18	
Ethyl Benzene	ND	0.050	EPA 8021B	10-26-18	10-26-18	
m,p-Xylene	ND	0.10	EPA 8021B	10-26-18	10-26-18	
o-Xylene	_ ND	0.050	EPA 8021B	10-26-18	10-26-18	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	79	<i>57-129</i>				

					Source	Pe	rcent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Result	Rec	covery	Limits	RPD	Limit	Flags
DUPLICATE											
Laboratory ID:	10-22	26-01							_		
	ORIG	DUP									
Benzene	ND	ND	NA	NA			NA	NA	NA	30	-
Toluene	ND	ND	NA	NA			NA	NA	NA	30	
Ethyl Benzene	ND	ND	NA	NA			NA	NA	NA	30	
m,p-Xylene	ND	ND	NA	NA		i	NA	NA	NA	30	
o-Xylene	ND	ND	NA	NA			NA	NA	NA	30	
Surrogate:											
Fluorobenzene						77	<i>75</i>	<i>57-129</i>			
SPIKE BLANKS											
Laboratory ID:	SB10	26S1						_			
	SB	SBD	SB	SBD		SB	SBD			-	
Benzene	0.853	0.861	1.00	1.00		85	86	69-111	1	10	
Toluene	0.826	0.837	1.00	1.00		83	84	70-114	1	11	
Ethyl Benzene	0.827	0.840	1.00	1.00		83	84	70-115	2	10	
m,p-Xylene	0.829	0.843	1.00	1.00		83	84	72-115	2	10	
o-Xylene	0.833	0.844	1.00	1.00		83_	84	71-115	1	11	
Surrogate:					·		·	·	·	·	
Fluorobenzene						80	83	<i>57-129</i>			

Project: P1356-B18

# DIESEL AND HEAVY OIL RANGE ORGANICS NWTPH-Dx

Matrix: Soil

Units: mg/Kg (ppm)

Units: mg/kg (ppm)				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	Disp-1			-		
Laboratory ID:	10-271-01					
Diesel Range Organics	220	26	NWTPH-Dx	10-26-18	10-29-18	
Lube Oil	380	53	NWTPH-Dx	10-26-18	10-29-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	100	50-150				
Client ID:	Disp-2					
Laboratory ID:	10-271-02					
Diesel Fuel #2	1900	54	NWTPH-Dx	10-26-18	10-26-18	
Lube Oil Range Organics	690	110	NWTPH-Dx	10-26-18	10-26-18	N1
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	118	50-150				
Client ID:	Trench-1					
Laboratory ID:	10-271-03					
Diesel Fuel #2	250	140	NWTPH-Dx	10-26-18	10-26-18	
Lube Oil	490	270	NWTPH-Dx	10-26-18	10-26-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	99	50-150				
Client ID:	Trench-2					
Laboratory ID:	10-271-04					
Diesel Range Organics	77	28	NWTPH-Dx	10-26-18	10-29-18	N
Lube Oil	520	56	NWTPH-Dx	10-26-18	10-29-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	94	50-150				
Client ID:	SUMP					
Laboratory ID:	10-271-05					
Diesel Range Organics	110	54	NWTPH-Dx	10-26-18	10-29-18	N
Lube Oil	750	110	NWTPH-Dx	10-26-18	10-29-18	
Surrogate: o-Terphenyl	Percent Recovery 117	Control Limits 50-150				

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

Matrix: Soil

Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1026S2					
Diesel Range Organics	ND	25	NWTPH-Dx	10-26-18	10-26-18	
Lube Oil Range Organics	ND ND	50	NWTPH-Dx	10-26-18	10-26-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	101	50-150				

Amalista	7		0 "		Source	Percent	Recovery		RPD	
<u>Analyte</u>	Res	<u>suit</u>	<b>Spike</b>	Level	Result	Recovery	Limits	RPD	Limit	Flags
DUPLICATE										
Laboratory ID:	10-27	71-03								
	ORIG	DUP								
Diesel Fuel #2	225	235	NA	NA		NA	NA	4	NA	
Lube Oil	454	426	NA	NA		NA	NA	6	NA	
Surrogate:										
o-Terphenyl						99 99	50-150			

#### PAHs + PCP EPA 8270D/SIM

omis. mg/tg				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	Disp-2					
Laboratory ID:	10-271-02					
Naphthalene	0.022	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
2-Methylnaphthalene	0.062	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
1-Methylnaphthalene	0.048	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
Acenaphthylene	0.016	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
Acenaphthene	0.015	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
Fluorene	0.090	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
Pentachlorophenol	ND	1.8	EPA 8270D	10-31-18	11-3-18	
Phenanthrene	0.18	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
Anthracene	0.073	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
Fluoranthene	0.050	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
Pyrene	0.34	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
Benzo[a]anthracene	0.028	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
Chrysene	0.040	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
Benzo[b]fluoranthene	0.044	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
Benzo(j,k)fluoranthene	ND	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
Benzo[a]pyrene	0.032	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
Indeno[1,2,3-cd]pyrene	0.030	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
Dibenz[a,h]anthracene	ND	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
Benzo[g,h,i]perylene	0.035	0.014	EPA 8270D/SIM	10-31-18	11-1-18	
Surrogate:	Percent Recovery	Control Limits				
2-Fluorophenol	41	19 - 103				
Phenol-d6	59	30 - 103				
Nitrobenzene-d5	66	27 - 105				
2-Fluorobiphenyl	<i>76</i>	36 - 102				
2,4,6-Tribromophenol	7.4	33 - 110				Q
Terphenyl-d14	92	38 - 108				

Project: P1356-B18

## PAHs + PCP EPA 8270D/SIM METHOD BLANK QUALITY CONTROL

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
						_
Laboratory ID:	MB1031S1					
Naphthalene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	-
2-Methylnaphthalene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
1-Methylnaphthalene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Acenaphthylene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Acenaphthene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Fluorene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Pentachlorophenol	ND	0.17	EPA 8270D	10-31-18	10-31-18	
Phenanthrene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Anthracene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Fluoranthene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Pyrene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[a]anthracene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Chrysene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[b]fluoranthene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo(j,k)fluoranthene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[a]pyrene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Indeno[1,2,3-cd]pyrene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Dibenz[a,h]anthracene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Benzo[g,h,i]perylene	ND	0.0067	EPA 8270D/SIM	10-31-18	10-31-18	
Surrogate:	Percent Recovery	Control Limits				
2-Fluorophenol	89	19 - 103				
Phenol-d6	<i>92</i>	30 - 103				
Nitrobenzene-d5	88	27 - 105				
2-Fluorobiphenyl	93	36 - 102				
2,4,6-Tribromophenol	96	33 - 110				
Terphenyl-d14	106	38 - 108				

Project: P1356-B18

### PAHs + PCP EPA 8270D/SIM MS/MSD QUALITY CONTROL

					Source	Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Result	Rec	overy	Limits	RPD	Limit	Flags
MATRIX SPIKES				-							
Laboratory ID:	10-37	74-03									
	MS	MSD	MS	MSD		MS	MSD				
Phenol	0.976	1.07	1.33	1.33	ND	73	80	37 - 100	9	27	
2-Chlorophenol	1.08	1.17	1.33	1.33	ND	81	88	37 - 100	8	32	
1,4-Dichlorobenzene	0.539	0.580	0.667	0.667	ND	81	87	23 - 100	7	37	
n-Nitroso-di-n-propylamine	0.526	0.560	0.667	0.667	ND	79	84	40 - 100	6	28	
1,2,4-Trichlorobenzene	0.549	0.601	0.667	0.667	ND	82	90	37 - 100	9	30	
4-Chloro-3-methylphenol	1.13	1.20	1.33	1.33	ND	85	90	46 - 100	6	25	
Acenaphthene	0.567	0.581	0.667	0.667	ND	85	87	43 - 100	2	25	
4-Nitrophenol	1.21	1.22	1.33	1.33	ND	91	92	31 - 104	1	28	
2,4-Dinitrotoluene	0.567	0.564	0.667	0.667	ND	85	85	31 - 100	1	32	
Pentachlorophenol	1.42	1.42	1.33	1.33	ND	107	107	20 - 123	0	29	
Pyrene	0.597	0.608	0.667	0.667	ND	90	91	28 - 114	2	35	
Surrogate:											
2-Fluorophenol						<i>73</i>	80	19 - 103			
Phenol-d6						74	80	30 - 103			
Nitrobenzene-d5						74	<i>79</i>	27 - 105			
2-Fluorobiphenyl						<i>77</i>	80	<i>36</i> - 102			
2,4,6-Tribromophenol						87	86	33 - 110			
Terphenyl-d14						<i>87</i>	89	38 - 108			

Project: P1356-B18

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

Matrix: Soil

Units: mg/Kg (ppm)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	Disp-2					
Laboratory ID:	10-271-02					
Arsenic	ND	11	EPA 6010D	10-26-18	10-26-18	
Lead	21	5.4	EPA 6010D	10-26-18	10-26-18	
Mercury	ND	0.27	EPA 7471B	10-26-18	10-26-18	

Project: P1356-B18

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

Matrix: Soil

Units: mg/Kg (ppm)

Analyte	Result	PQL	Me	thod	Date Prepared	Date Analyz		Flags
METHOD BLANK	-				•			
Laboratory ID:	MB1026SM1							
Arsenic	ND	10	EPA	6010D	10-26-18	10-26-	18	
Lead	ND	5.0	EPA	6010D	10-26-18	10-26-	18	
Laboratory ID:	MB1026S1							
Mercury	ND	0.25	EPA	7471B	10-26-18	10-26-	18	
			Source	Percent	Recovery		RPD	
Analyte	Result	Spike Level	Result	Recovery	Limits	RPD	Limit	Flags
DUPLICATE								
Laboratory ID:	10-309-02						_	

Analyte	Res	sult	Spike	Level	Result	Rec	overy	Limits	RPD	Limit	Flags
DUPLICATE											
Laboratory ID:	10-30	09-02									
	ORIG	DUP									
Arsenic	ND	ND	NA	NA	-	[	NA AV	NA	NA	20	
Lead	ND	ND	NA.	NA_			NA	NA	NA	20	
Laboratory ID:	10-30	09-02									
Mercury	ND	ND	NA	NA			AV	NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	10-30	09-02									
_	MS	MSD	MS	MSD		MS	MSD				
Arsenic	94.0	99.6	100	100	ND	94	100	75-125	6	20	
Lead	250	247	250	250	ND	100	99	75-125	1	20	
Laboratory ID:	10-30	09-02			_						
Mercury	0.482	0.507	0.500	0.500	0.0194	93	98	80-120	5	20	

Project: P1356-B18

#### **VOLATILE ORGANICS EPA 8260C**

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	Trench-1					
Laboratory ID:	10-271-03					
Methyl t-Butyl Ether	ND	0.00083	EPA 8260C	10-29-18	10-29-18	
1,2-Dichloroethane	ND	0.00083	EPA 8260C	10-29-18	10-29-18	
1,2-Dibromoethane	ND	0.00083	EPA 8260C	10-29-18	10-29-18	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	93	68-139				
Toluene-d8	101	<i>79-128</i>				
4-Bromofluorobenzene	102	71-132				

#### **VOLATILE ORGANICS EPA 8260C**

			Date	Date	
Result	PQL	Method	Prepared	Analyzed	Flags
SUMP					
10-271-05					
ND	0.00086	EPA 8260C	10-29-18	10-29-18	
ND	0.00086	EPA 8260C	10-29-18	10-29-18	
ND_	0.00086	EPA 8260C	10-29-18	10-29-18	
Percent Recovery	Control Limits				
104	68-139				
101	79-128				
102	71-132				
	SUMP 10-271-05 ND ND ND Percent Recovery 104 101	SUMP         10-271-05         ND       0.00086         ND       0.00086         ND       0.00086         Percent Recovery       Control Limits         104       68-139         101       79-128	SUMP           10-271-05         ND         0.00086         EPA 8260C           ND         0.00086         EPA 8260C           ND         0.00086         EPA 8260C           Percent Recovery Control Limits           104         68-139           101         79-128	Result         PQL         Method         Prepared           SUMP         10-271-05         10-271-05           ND         0.00086         EPA 8260C         10-29-18           ND         0.00086         EPA 8260C         10-29-18           ND         0.00086         EPA 8260C         10-29-18           Percent Recovery Control Limits           104         68-139           101         79-128	Result         PQL         Method         Prepared         Analyzed           SUMP         10-271-05         10-29-18         10-29-18         10-29-18           ND         0.00086         EPA 8260C         10-29-18         10-29-18           ND         0.00086         EPA 8260C         10-29-18         10-29-18           Percent Recovery         Control Limits           104         68-139           101         79-128

Project: P1356-B18

#### VOLATILE ORGANICS EPA 8260C METHOD BLANK QUALITY CONTROL

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
			_		_	
Laboratory ID:	MB1029S1					
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	10-29-18	10-29-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	10-29-18	10-29-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	10-29-18	10-29-18	_
Surrogate:	Percent Recovery	Control Limits	<del></del>			
Dibromofluoromethane	102	68-139				
Toluene-d8	102	79-128				
4-Bromofluorobenzene	101	71-132				

#### **VOLATILE ORGANICS EPA 8260C** SB/SBD QUALITY CONTROL

					Per	cent	Recovery		RPD	
Analyte	Result		Spike Level		Rec	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB10	29S1								
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0494	0.0499	0.0500	0.0500	99	100	53-141	1	17	
Benzene	0.0528	0.0507	0.0500	0.0500	106	101	70-130	4	15	
Trichloroethene	0.0488	0.0476	0.0500	0.0500	98	95	74-122	2	16	
Toluene	0.0499	0.0486	0.0500	0.0500	100	97	76-130	3	15	
Chlorobenzene	0.0462	0.0461	0.0500	0.0500	92	92	75-120	0	14	
Surrogate:							<u>-</u>			
Dibromofluoromethane					103	102	68-139			
Toluene-d8					99	99	<i>79-128</i>			
4-Bromofluorobenzene					98	101	71-132			

#### % MOISTURE

Date Analyzed: 10-23-18

Client ID	Lab ID	% Moisture
Disp-1	10-271-01	5
Disp-2	10-271-02	7
Trench-1	10-271-03	8
Trench-2	10-271-04	10
SUMP	10-271-05	7



#### **Data Qualifiers and Abbreviations**

- A Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B The analyte indicated was also found in the blank sample.
- C The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E The value reported exceeds the quantitation range and is an estimate.
- F Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- 1 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



Ĺ	OnSite Environmental Inc.			ain o	f	Cι	ıst	to	dy										Р	age .	(	of				
,	Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052 Phone: (425) 883-3881 • www.onsite-env.com	Tu:	rnaround Req in working da	ys)		L	abo	rat	ory	Nur	mb	er:		0	-2	7	1						<u> </u>			_
Compa	MIGIZI GROUP INC.	☐ Sam	(Check One)	1 Day						MTBE						WiS/				50						
•	Number: P1356-B1-8	☐ 2 Da		3 Days		]]			gan-up)						81B	IS 82700	8151A		=	4						
	SPU-DST	Stan	dard (7 Days)		ers				/sgci	8	s 8260C	ars Only)	/SIM	w-level)	icides 80	Pesticide	bicides		0		1664A					
Sample	405	┦□_	(other)		Number of Containers	NWTPH-HCID	NWORL COBTEX	-Kg-	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C EDB EDC	nated Volatile	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	270D/SIM (lov	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total Mitter Metals P. P.	/letals	HEM (oil and grease) 1664A	d			ture	ì
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Numbe	NWTP!	<b>d b 1 1 1 1 1 1 1 1 1 1</b>	NWTPH-Gx	NWTP	Volatile	Haloge	EDB EF	Semivo (with lo	PAHS 8270D/	Organo	Organo	Chlorin	Total R	Total M	TCLP Metals	HEM (o	#			% Moisture	
1	DISP-1	10/22/18	1020	M	5	X		(	<b>X</b>	,															【【	(
9	DISP-Z		1030			X			$\otimes$	'				Ø					X	)					$\parallel$	•
3	TRENCH-1		111			X	8	)	$\otimes$	0															$\parallel$	_
4	TRENCH-Z		1145			X		(	X																$\parallel$	
Ś	SUMP	1	12.00	V	V	X	Ø	)	(X)	0															$\dagger$	_
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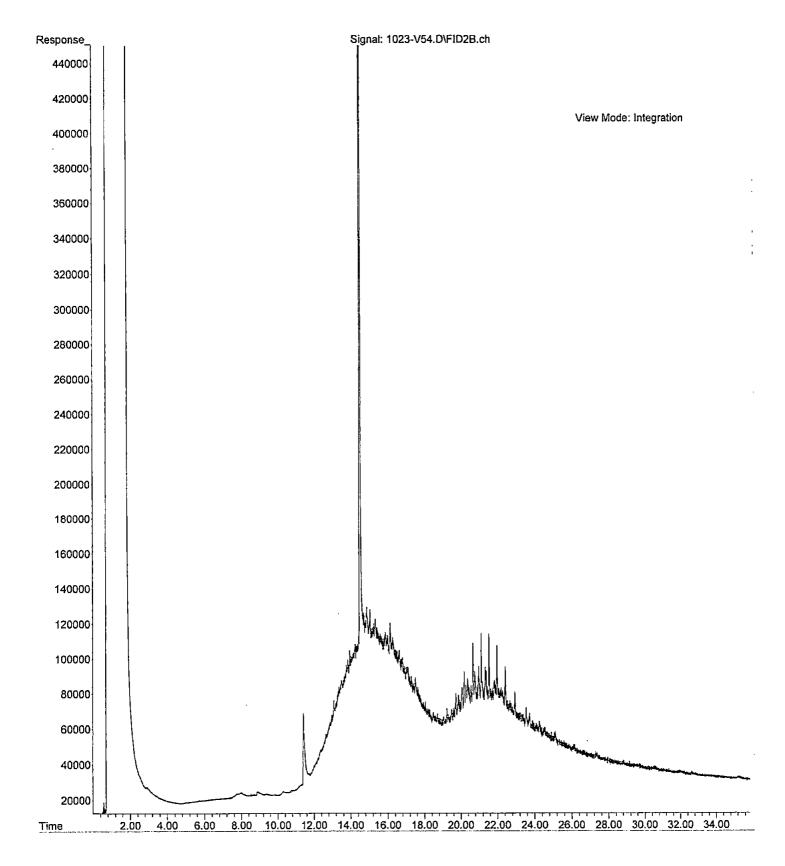
Signature Company Date Time Comments/Special Instructions 10/22/18 (425 &) Addod 10/25/18 3CO 10/22/18 1425 OAdded 10/29/18. DB (STA) Relinquished Received Relinquished Received Relinquished Received Data Package: Standard ☐ Level III ☐ Level IV ☐ Reviewed/Date Reviewed/Date Chromatograms with final report Electronic Data Deliverables (EDDs File :C:\msdchem\2\data\V181023.SEC\1023-V54.D

Operator : JT

Acquired : 23 Oct 2018 10:09 using AcqMethod V180601F.M

Instrument : Vigo Sample Name: 10-271-01

Misc Info : Vial Number: 54



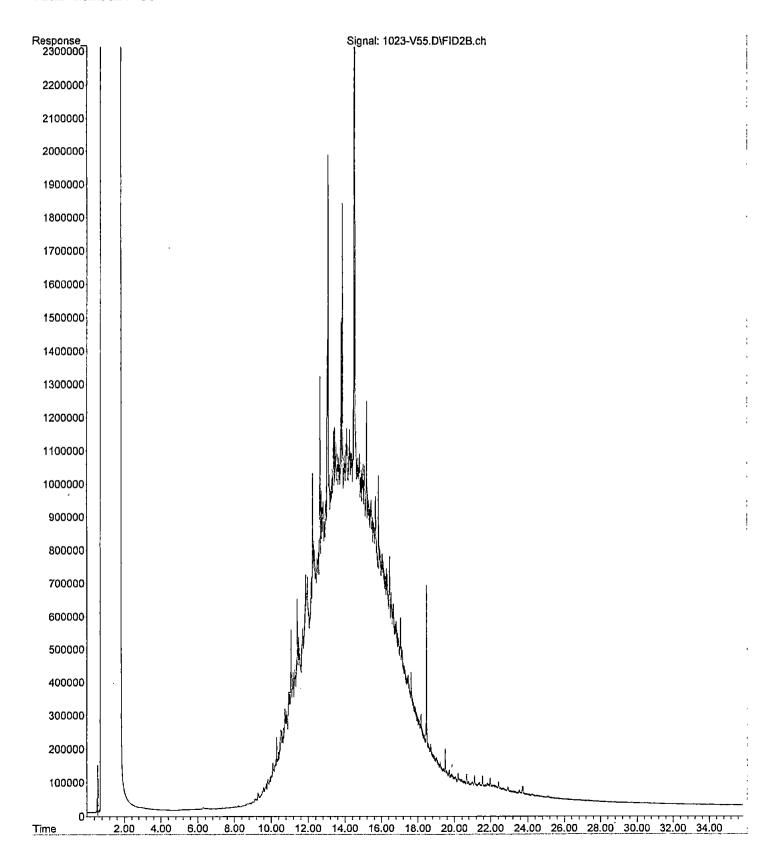
File :C:\msdchem\2\data\V181023.SEC\1023-V55.D

Operator : JT

Acquired : 23 Oct 2018 10:49 using AcqMethod V180601F.M

Instrument : Vigo Sample Name: 10-271-02

Misc Info : Vial Number: 55



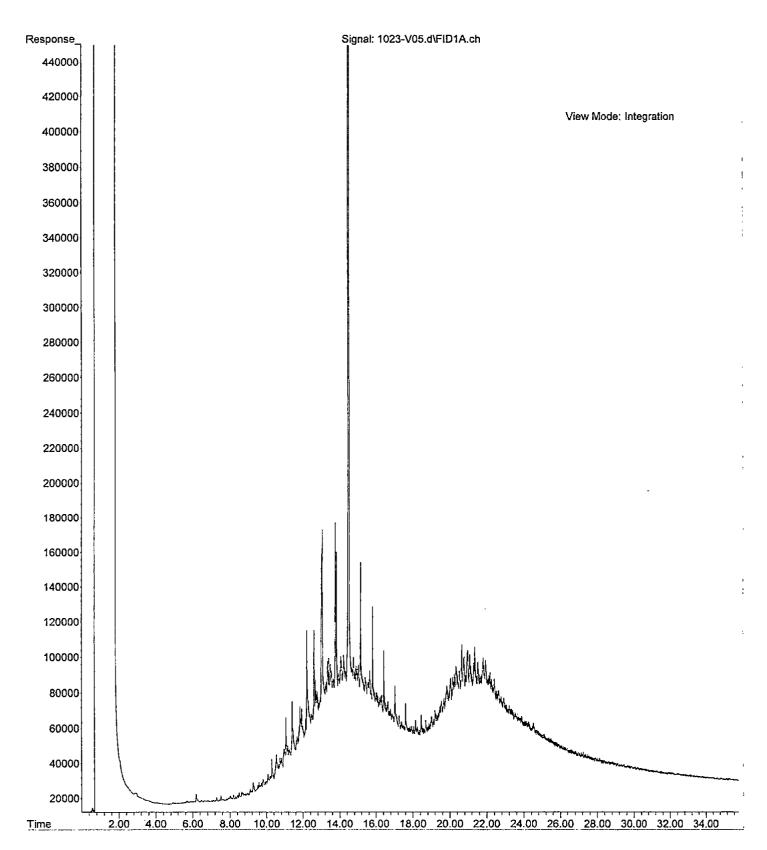
File :C:\msdchem\2\data\V181023\1023-V05.d

Operator : JT

Acquired : 23 Oct 2018 10:49 using AcqMethod V180601F.M

Instrument : Vigo
Sample Name: 10-271-03

Misc Info : Vial Number: 5



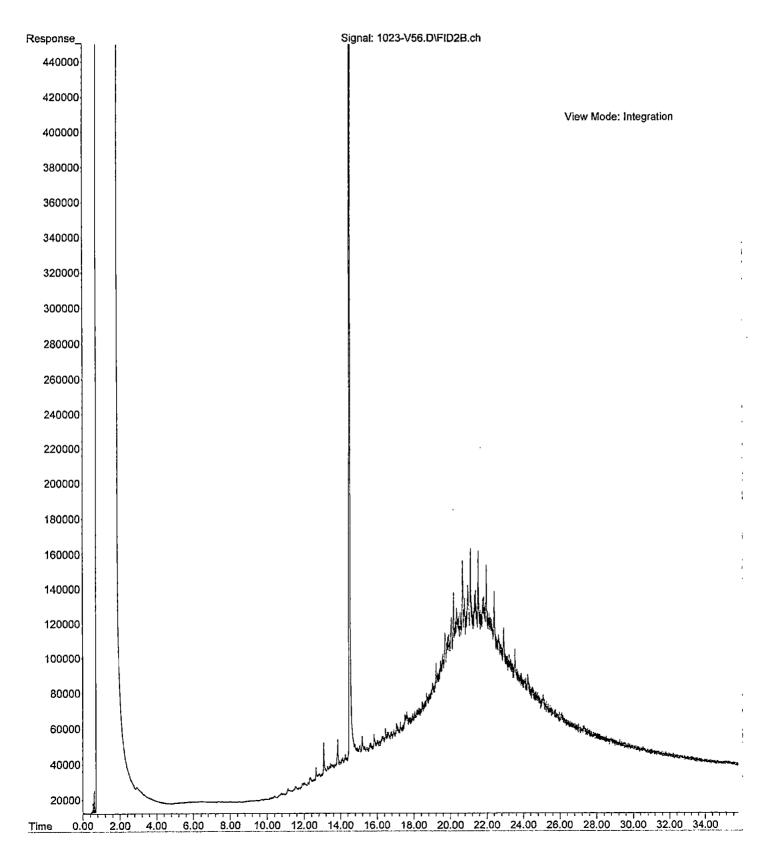
:C:\msdchem\2\data\V181023.SEC\1023-V56.D File

Operator : JT

Acquired : 23 Oct 2018 11:29 Instrument : Vigo using AcqMethod V180601F.M

Sample Name: 10-271-04

Misc Info : Vial Number: 56



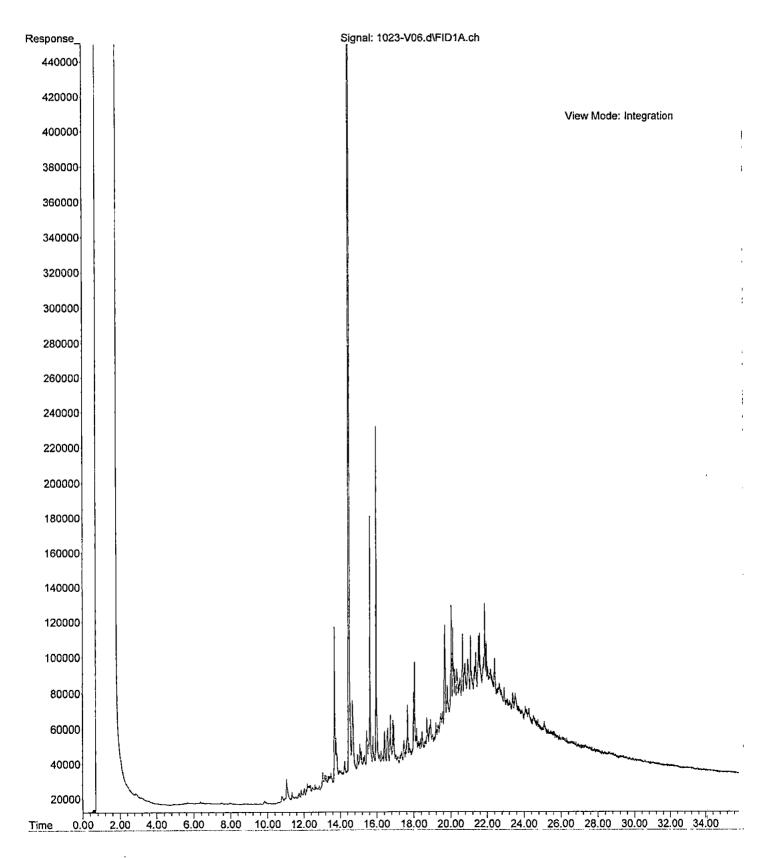
:C:\msdchem\2\data\V181023\1023-V06.d File

Operator : JT

Acquired : 23 Oct 2018 11:29 using AcqMethod V180601F.M

Instrument : Viqo Sample Name: 10-271-05

Misc Info : Vial Number: 6



APPENDIX C PUMP, RINSE, & INERTION DOCUMENTS

wed 10/17/18 6

Your Seattle Fire Department RECEIVED OCT 1 0 2018



### APPLICATION FOR TEMPRERARY DEGMON

Code 7908

## Commercial Tank Removal/Decommissioning

Permit Fee: \$255.00	Date Issued: 15. 1 m 16
TO BE COMPLETED BY PERMIT APPLICANT	Tank(s) must be removed from site on the same day as permit is issued!
FIRM NAME WYSER Construction Co., Inc.	
MAILING ADDRESS 19015 109th Ave SE	SUITE
CITY Snohomish	STATE WA ZIP 98296
JOBSITE ADDRESS 4500 Marginal Way SW	
CONTACT PERSON Darren Ness	PHONE NUMBER (206) - 678 - 5122
gasoline, diesel	): (3) 1k-g; (1) 3k-g
	icate required for tanks regardless of size or contents)  icate required for tanks previously containing Class I flammable liquids    X
Seattle Fire Department Fire Marshal's Office – Permits 220 Third Ave S, 2 <sup>nd</sup> Floor Seattle, WA 98104-2608	To pay with a Visa or Master Card: Fax or email this application THEN CALL US TO CONFIRM RECEIPT AND MAKE PAYMENT Tel: (206) 386-1450 / Fax: (206) 386-1348 E-mail: permits@seattle.gov
TANKS MAY BE REMOVED/DECOMM NO HOT WORK IS ALLOWED ON A TANK SY  ermission is hereby granted to remove or decomme	WISSIONED ONLY AFTER FIRE DEPARTMENT INSPECTION  STEM PRIOR TO ISSUANCE OF THIS FIRE DEPARTMENT PERMIT!  mission the tank(s) identified in this permit in accordance with the attached applicable provisions of the Seattle Fire Code, federal, state and local
Burnisher 12125 I Extern 15 NOLL AND VOID	IF PERMIT CONDITIONS ARE NOT ATTACHED  ning must be performed, or directly supervised, by an ICC certified individual (WAC 173-360-600)
Check No.: 000/36/43/0118 Instantion Instant	PPROVED BY: spector: Geny SFD ID# 1310 ame of Marine Chemist Certificate # ate:

# COMMERCIAL TANK REMOVAL/DECOMMISSIONING PERMIT CONDITIONS

- 1. Two (2) portable fire extinguishers each having a minimum rating of 40 BC shall be on site within 50 feet of the operation. Fire extinguishers shall be inspected, approved and certified annually.
- 2. Rope or ribbon barricades located at least 10 feet from the tank shall surround every outdoor storage tank removal or decommissioning operation or the operation shall be enclosed in a fenced yard.
- "No Smoking" signs shall be posted in readily visible locations.
- No hot work is allowed on a tank system prior to Issuance of this permit and the tank is certified "Safe for Hot Work" by a Certified Marine Chemist. Hot work means any activities involving riveting, welding, burning, brazing, soldering, heating, chopping, grinding, ripping, drilling, cutting with a chop saw or "Sawzall", abrasive blasting, use of powder-actuated tools or similar spark-producing operations, crushing or mechanically shearing to facilitate opening for cleaning, disposal, scrapping for
- 5. A separate temporary Seattle Fire Department permit (Code 4913) or a validation number assigned in conjunction with an annual hot work permit (Code 4911 or 4912) is required prior to any hot work operations.
- Permits may cover multiple tanks located at the same address. If additional tanks are to be removed or abandoned at later dates, separate permits shall be obtained. Each address location requires a separate permit application regardless of whether multiple address locations are physically next to one another.
- Additional fees will be charged if inspectors are required to work other than normal business hours. (Normal business hours are Monday through Friday, 8:00 a.m. to 4:30 p.m.)
- No excavation of an underground tank is permitted prior to inspection by the Seattle Fire Marshal's Office. Exception: Removal of the top layer of asphalt or concrete only with no removal of dirt, pea gravel or soil over the underground storage tank. Further excavation may be allowed by a Seattle Fire Department Special Hazards Unit Inspector prior to the initial inspection depending on conditions and if the tank has been inerted by a Marine Chemist who is present on site. The name of the inspector and the time permission was given shall be made available at time of inspection.
- 9. Prior to inspection, to ensure tanks and connected piping are completely free of all flammable or combustible liquids, a receipt or certificate must be on site indicating the tanks have been pumped and rinsed by an approved company. Product and rinse water must be disposed of in an approved manner.
- 10. For tanks being decommissioned in place that previously contained Class I liquids, a Certified Marine Chemist certificate must be issued and available on site for inspection certifying that the tank has been properly inerted prior to filling.
- 11. No tank shall be filled prior to an inspection by the Seattle Fire Marshal's Office.
- 12. Tanks being decommissioned in place must be filled with a lean concrete mixture. Filling with foam is prohibited.
- 13. A Marine Chemist's certificate verifying the tank has been properly inerted or is otherwise certified "Safe for Hot Work" shall be issued and available on site for inspection for each underground and aboveground tank being removed regardless of the product previously contained.
- 14. If tanks are being removed, the tanks' atmosphere must be inert using one of the following approved methods:
  - Dry ice (pellets or chunks of solid CO<sub>2</sub>). Minimum 40 lbs per 1000 gallons of tank capacity is recommended.
  - Compressed CO<sub>2</sub> gas in cylinders (Note: This method may only be performed by a Certified Marine Chemist).
  - Purging with air (gas-freeing) using Venturi tube apparatus, with proper bonding and grounding and after the tank has been pumped and rinsed by an approved company.
- 15. A maximum reading of less than 6% of oxygen must be obtained prior to the removal of the tanks if CO<sub>2</sub> or another inert gas, as approved by the Marine Chemist, is used to inert the tank or, a reading of 0% LEL must be obtained prior to removal of the tank if the air-purging (Venturl air moving devices) method is used.
- 16. All local, state and federal regulations for confined space entry shall be complied with prior to entering an underground storage tank.
- 17. Tanks with baffles to prevent movement of liquid must be certified gas-freed or inerted by a Certified Marine Chemist or a Petroleum Industry Safety Engineer regularly engaged in that business prior to removal.
- 18. Tanks being removed must be removed from the site and relocated to a remote, approved facility on the same day that the permit is issued.
- 19. During the hot work operations, digging, excavating, hauling or transport of petroleum storage tanks that have not been cleaned and gas-freed, tanks must be inerted to less than 6% oxygen. All openings are to be cap closed and secured except for one 1/8" hole drilled through a cap. These tanks are to be sprayed painted with "INERTED, DO NOT ENTER" or "INERTED WITH CO<sub>2</sub>, NOT SAFE FOR WORKERS".

### Marine Vacuum Service, Inc.

GENERAL CONTRACTOR
CONTRACTORS LICENSE # MARINVS097JA

P0, Box 24263 Seattle, Washington 98124

Telephone (206) 762-0240

FAX (206) 763-8084

1-800-540-7491

### AST/UST STORAGE TANK PUMP & RINSE CERTIFICATE

Tank Size: 8- Various Sizes
Tank Size: 8- Various Sizes  Last Contents Used oil, motor oil, antifreeze of transmission our
Tank Location: 4500 W Marginal Way S
Scattle, WA
Marine Vacuum Service, Inc. certifies that the above mentioned tank(s) have been triple rinsed in accordance with the industry standard as outlined in 40 CFR PART 280.70, WAC 173-360-380(I), API 1604, API 2015 and that all residual product and rinsate has been disposed of in accordance with Federal, State and Local regulations. Tanks listed above are NOT GAS FREE or NOT SAFE FOR HOT WORK
Tank Owner: SPU
Contractor: Wyser
M.V.S. Representative:
Date: October 16, 2018
Notes:

DBE#D4M1302341

EPA # WAD980974521

# Marine Vacuum Service, Inc.

GENERAL CONTRACTOR
CONTRACTORS LICENSE # MARINYS097JA

P0. Box 24263 Seattle, Washington 98124

Telephone (206) 762-0240

FAX (206) 763-8084

1-800-540-7491

## AST/UST STORAGE TANK PUMP & RINSE CERTIFICATE

nk Size: 5,000 gallon	
st Contents <u>Gasoline</u>	
Seattle, WA  Seattle, WA	
rine Vacuum Service, Inc. certifies that the above mentioned tank(s) have been triple a cordance with the industry standard as outlined in 40 CFR PART 280.70, WAC 173-360(1), API 1604, API 2015 and that all residual product and rinsate has been disposed cordance with Federal, State and Local regulations. Tanks listed above are NOT GAS NOT SAFE FOR HOT WORK	50- of in
nk Owner: 5PU	
ntractor: Myser	
V.S. Representative: DEL	
e: October 15,2018	
:es:	

DBE # D4M1302341

EPA # WAD980974521

# Marine Vacuum Service, Inc.

GENERAL CONTRACTOR
CONTRACTORS LICENSE # MARINVS097JA

P0. Box 24263 Seattle, Washington 98124
Telephone (206) 762-0240
FAX (206) 763-8084
1-800-540-7491

# AST/UST STORAGE TANK PUMP & RINSE CERTIFICATE

Tank Size:	20,000 gallons	
Last Contents	Diesil	
Tank Location:	4500 W Marginal Way 5	
	Scattle, LOA	
accordance wit 380(I), API 16 accordance wit	n Service, Inc. certifies that the above mentioned tank(s) has he the industry standard as outlined in 40 CFR PART 280.70 to 4, API 2015 and that all residual product and rinsate has he hederal, State and Local regulations. Tanks listed above a FOR HOT WORK	een disposed of in
Tank Owner:	SPU	·
Contractor:	Wyser	•
M.V.S. Repre	sentative: DC Ca	·
Date: <u><i>De 1</i></u>	Jober 15, 2018	· ·
Notes:		

EPA # WAD980974521

## SIMAIGHI BILL UF LADING ORIGINAL—NOT NEGOTIABLE

Shipper No. 16950

	MARINE VACUUN				EDVIOL 1810		Carrier No.			
Page	of		10000000	(Name of	·	(SCAC)	Date	10 15	18	
On Collect on Delivery ship	oments, the lett	ers "COD" must appear balora cons	signoo's name or as otherviso provided	in item 430, Sec.1.	Z'DOM			<del></del>		
10;		E VACUUM S			Shipper (A)	SER CON	15T			
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Street 15	<u> 16 SO</u>	<u>UTH GRAHAN</u>	VI STREET	_	· .	, .		WAY	5,	
city SEAT	TLE	Slate WA	Zip Code 9	9100	City Sectle		State IN A	Zip Code		
		7071	Zip Code 3	0108	24 hr. Emergency Co	onlact Tel. No. CONT	TEL 1-800-25 RACT MIS36	5-3924 27926		
Roule	<del>-</del>						Vehic	cie	2 1	
No. of Units & Container Type	HW	UN or NA Numb	BASIC DESCRIP Der, Proper Shipping Name,	TION Hazard Class	. Packing Group	TOTAL QUANTITY (Weight, Volume,	WEIGHT (Subject to	BATE	CHARGES	
1 7 7	Х	(DOT SPEC TAN	IK REQUIRED) AVIATION, TURBIN			Gallons, etc.)	Correction)	- nata	(For Carrier Use Only)	
1 77	V	(DOT SPECTA	NK REQUIRED)				<del> </del>			
	X	<u>UN1203 GAS</u>	OLINE, MIXTUR	E CLAS	S 3, PG (I		;	į į		
1 TT	X	(DO) SEEC IN	NN REQUIRED)					1-1		
~ <del>~ ~ ~</del>		ı	OLINE, CLASS		· <del></del>					
1 TT	X	NA1993 DIES	EL MIXTURE, CL	.ASS 3, F	PG III			1 1		
1 77	X	NA1993 DIES	EL. CLASS 3, PG	i []]				+-+		
1 77	Х	NA1270 PETR	OLEUM OIL, CLA	4SS 3, P	G I			+	<del>-</del>	
1 TT	Х	NA1270 PETR		<del>                                     </del>						
1 TT		OILY WASTE	WATER NON RE	EG BY D	OT	600	Calls	1-1		
177		WASTE WATE	ER NON REG BY	DOT		900	(-Ket) 3	1	<del></del>	
1 77		MARINE VES	SEL SEWAGE N	ON REG	BY DOT			1		
1 TT		STREET WAST NON REG BY I	TE STORM PIPE	CLEANIN	VG			+-+		
1.77		ļ. <del>.</del>						┼┼		
		MUD/ K	TUCK NON	KĒĢ	BYDOT	3	Gally			
					′	1				
					<del></del>			┨──┟		
DI ACAI	PDC TEN	DERED: YES 🖂								
Note /11 Vibon the mi	n in deenede	nt on value, shippers are required value of the property, as to	nod to state   Thereby declare that the	o September of this	REMIT C.O.D. TO:			<del>-\</del>		
				and accurately	ADDRESS	<del></del>	CODE			
a release or a value decia the carrier's fability or decial	ration by the re a value, the	or many specificary stated by the or early a limitation of the carrier's kat shipper and the shipper does nearlier's liability shall be limited to m 172.	marked end labelled/pla not release in all respects in prop	acarded, and are	COD	Amt: \$	C.O.D. F PREPAII COLLEC			
				al governmental	following etalements	stons, if this stroment is to be detr the consignor, the consignor sta-	iii sign the L ctiance	s s	<del></del>	
itom 360, Dills of Lading, Fit the Contract Terms and Con	oight Bills and ditions for a lis	unal care of attention in handling sure sale Iransportation. See Sec Statements of Charges and Sec Lof such addictes.	tion 1(a) of	Signalure	The carrier shall not make de trought and all other lawful charges	chair of this shipment without i	Payment of FREI	IGHT CHARGE	enalpho poxyquuldes S	
			t on the date of the Issue of this Eil of La epi as noted (contents and condition of	ading,	tination and as to each per	threed Consequer)  fy at any time interested in all or	uby a recy	- L	00 (1) (1) 13 (1) (1)	
(the you	nd carrier being	understood throughout this contra	set as meaning any person or corporati	antar Ion In	sification on the date of slit Shipper houses coding	pment.	emis and conductions in the	governing clas-		
			À oact all ot sub bact of gelfactà il seld c et ou the tonie lo seld desivetà al seld to the legal of seld to legal of seld tonio lo		governing classification and hi		ne hereby agreed to by the	nowons in the rashippar and		
SHIPPER 💮	)				CARRIER MA	R. MAC	<del></del>			
°ER				F	PER Addit	1 —			- {	
	<u>8</u>		8		DATE 15	15 18			— Ц	
Permanent post-office	address of	shipper.	DECACTED WIVE IN SAILS WILL		STYLE F375-4 @ 2012	LABEL MASTER & (800	) 621-5808 www.lai	belmaster.com	1	

STRAIGHT BILL OF LADING 07707 Shipper No. ORIGINAL - NOT NEGOTIARI E Carrier No. MARINE VACUUM SERVICE INC. 'age (Name of cardet) (SCAC) a Collection Delivery shipmonts, the latters "COD" must appear balara consigned's name or as otherwise provided in item 430, Sec. 1. FROM: 0: Shipper MARINE VACUUM SERVICE INC. onsignee Street 1516 SOUTH GRAHAM STREET City State Zip Code CHEMTEL 1-800-255-3924 SEATTLE WA State Zip Code 98108 24 hr. Emergancy Contact Tel. No. CONTRACT MIS3627926 Vehicle oule Number BASIC DESCRIPTION TOTAL QUANTITY WEIGHT CHARGES No. of Units HMUN or NA Number, Proper Shipping Name, Hazard Class, Packing Group (Weight, Volume, Gallons, etc.) RATE (Subject to (For Carrier & Container Type Correction Use Only) (DOT SPEC TANK REQUIRED) X 1.77 UN1863 FUEL, AVIATION, TURBIN ENGINE, CLASS 3, PG I (DOT SPEC TANK REQUIRED) 177 X <u>UN1203 GASOLINE, MIXTURE CLASS 3, PG II</u> (DOT SPEC TANK REQUIRED) 111 Х <u>UN1203 GASOLINE, CLASS 3. PG II</u> 1 77 X NA1993 DIESEL MIXTURE, CLASS 3, PG III 1 TT X NA1993 DIESEL, CLASS 3, PG (II) 177 NA1270 PETROLEUM OIL, CLASS 3, PG I 1 77 X NA1270 PETROLEUM OIL, MIXTURE, CLASS 3, PG ( 1 17 OILY WASTE WATER NON REG BY DOT 1 TT WASTE WATER NON REG BY DOT 1 TT " MARINE VESSEL SEWAGE NON REG BY DOT STREET WASTE STORM PIPE CLEANING 1 TT NON REG BY DOT ras PLACARDS TENDERED: YES IN NO A REMIT C.O.D. TO: tote — (1) Where the rate is dependent on value, shippers are required to state pecifically in writing the agreed or declared value of the property, as follows: "The igneed or declared value of the property is hereby specifically stated by the shipper to one occaseding per per 2) Where the applicable tanill provisions specify a limitation of the carrier's tability expects to carrier's fability or declaration by the shipper and the shipper does not release to carrier's fability or declare a value, the carrier's fability shall be limited to the extent provided by such provisions. See NNFC Item 172. I horeby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and and classified, packaged, marked and labellad/placarded, and are in all respects in proper condition for the proper condition for the proper condition for the proper condition of the proper condition of the proper condition of the proper conditions. ADDRESS C.O.D. FEE: PREPAID COLLEGT COLLEGE COD Amt: \$ Subject to Section 7 of the conditions, if this shipment is to be deferred to the consignor without recourse on the consignor, the consignor shall sign the collections statement.

To carrier shall not make delivery of this shipment without payment of tellight and all other hawful changes. TOTAL CHARGES 3) Commodities requiring special or additional care or attention in hundling or stowing nust be so marked and packaged as to ensure sale transportation. See Section 2(o) of em 350, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contest Commonity Conference of the Contest Cont HARGES
Check bord dranges
are to be
collect FREIGHT CHARGES Signature HECEIVED, sobject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and dostined as indicated above which said carrier (like world carrier their prodestood bytoughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if is mutually of the property o lingtion and as to each party at any time interested in all or any said property, that every service to be performed incremon shall be subject to all the bill of lading terms and conditions in the governing dasbe performed interuptor state to stoped to au too on a learning terms and conditions in the governing cassification on the date of shippment.

Shipper hereby certifies that he is familiar with all the leding terms and conditions in the governing classification and the said terms and conditions are hereby ogreed to by the shipper and accepted for himself and his assigns. **HIPPER** CARRIER 'ER PER

Permanent post-office address of shipper. A STYLE F375-4 @ 2012 LABELMASTER @ (800) 621-5808 www.labelmaster.com

DATE

## STRAIGHT BILL OF LADING ORIGINAL - NOT NEGOTIABLE

Shipper No. 07708

	12.
Carrior No.	11 50

/	1	MAR	INE VACUUM SE	RVICE INC.		٦	). Date _ <i></i>	1-18	-( <i>(</i> )
age/_ of	· <del>(</del>	-	(Name of ca	airlet)	(SCAC)	_	,		
0:		COD" must appear before consignate's name or as	_	FROM: N	yser Cons	Hne:	trus		
onsignee MA	ARINE	VACUUM SERVICE	EINC.	Street 47	U for the	laryir	ulin	neg_	52
treet <b>151</b> 6	SOU	ITH GRAHAM STRE	ET	Cliv Sent	<u> </u>	State	<i>~~,</i>	ip Coda	
N SEATTI	Ę_	Staté WA	Zip Code 98108	24 hr. Emergency Cor	CHEM nlaci Tel. No. CONT	TEL 1-80 RACT_M	)0-255-3   \$3627	3924 926	
oule				<u>,</u>			Vehicle Number	ومرار ا	2
No. of Units & Container Type	HM	•	ASIC DESCRIPTION hipping Name, Hazard Class,	Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIC (Subje Correc	oct to	RATE	CHARGES (For Carrier Use Only)
1,77	x	(DOT SPECTANK REQUIUN 1863 FUEL, AVIATIO	N, TURBIN ENGINE	, CLASS 3, PG 1				_	
1TT	<u>x</u> _	(DOT SPEC TANK REQ) UN1203 GASOLINE (DOT SPEC TANK REQ)	MIXTURE CLAS	S 3, PG II					
111	Χ	UN1203 GASOLINE	•						<del></del>
1 77	X	NA1993 DIESEL MIX	TURE, CLASS 3, F	PG III					
117	×	NA1993 DIESEL, CL	ASS 3, PG III					 	
1 77	x	NA1270 PETROLEUI	VI OIL, CLASS 3, P	'G I					-
1 77	х	NA1270 PETROLEUN	M OIL, MIXTURE, C	CLASS 3, PG I			<del></del>		
1 77		OILY WASTE WATE	R NON REG BY D	OT,	200	Cont	llors		<u></u>
111		WASTE WATER NO	N REG BY DOT			ļ 			
<u> 177</u>		MARINE VESSEL S	EWAGE NON RE	G BY DOT		ļ			
1 TT	ļ	STREET WASTE STO NON REG BY DOT	ORM PIPE CLEANI	NG 		<u> </u>	1		<del></del>
<del></del> _	ļ		blidge		5	GA	long		
						<del> </del>			
			/	· <sub>Y</sub>		<u> </u>			
		NDERED: YES NO was not on value, shippors are required to state sared value of the property, as follows: The is hereby specifically stated by the shipper to	I haroby declare that the contents of this	REMIT C.O.D. TO: ADDRESS					
a not exceeding	ill omitions s	per	consignment are fully and accurately described above by the proper shipping name and are classified, packaged marked and labelled/placatded, and are	9	Amt: \$		C.O.D. FI PREPAID COLLEC	EE: DD D	
a release or a value deci he carrier's liability or dock	amilion by the arg a value, the See NUFC (	a snipper and the snipper does not release to carrier's liability shall be ilmited to the extent	In all respects in proper condition to transport according to applicable international and national governmental regulations.	consignée without recourse of	ondilons, if this shipment is to be in the consignor, the consigner a delivery of this shipment with		TOTAL CHARGE	s s	0.00
nust be so marked and par tem 360, Bills of Lading, F he Contract Terms and Co	reight Bills ar	ilional care or attention in handling or slowing onsure sale transportation. See Section 2(e) of life Statements of Charges and Section 1(a) of tist of such articles.	Signalure	Ireight and all other lawful char	gos. Signature of Consignos)		FREIGHT PF Except when right is check	IGHT CHAP REPAID CRIC LOOX OL LOOX OL LOOK OL	Copper grantites
the pro- tents ( (the w posses nation	operty describe of packages un ord carrier bal ssion of the pro . If on its route	to the classifications and tairlis in effect on the dalo and above in apparent good order, except as noted wherem), marked, coasigned, and destined as including understood throughout the control as meant openty under the control agrees to carry to its use, otherwise to defirer to another carrier on the rour th carrier of all or any of, said property over all or	(contents and condition of con- icated above which sald confer ng any person or corporation in al place of delivery at sald desti- a to said destination. It is mutu-	perpenden bermehre per lê eleb ahl ne nelicalile Sheren hereke	edilies that he is familiar with and the said terms and conditio	ing terms and co all the lading t	ndillions in the p terms and cor	gaveming clas nditions in th	o-
3HIPPER	, ,			CARRIER					
PER JU	len	Mary	9.51	PER	M_				
				DATE	10-18-16	7			

Permanent nost-office address of shipper.

## P.O. BOX 16204 SEATTLE, WA 98116 MARINE CHEMIST CERTIFICATE (206) 932-0206 FAX (206) 937-3848 SERIAL A WWW.SOUNDTESTINGING.COM WYSER Survey Requested by 4500 W. HARGINAL Visun, Time Survey Completed CXCAVATION 5 A 16 In the event of changes adversely affecting conditions in the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist. Qualifications: Manipulation of valves or devices tending to alter conditions in pipe lines or tanks noted above, unless specifically approved in this certificate, will require re-inspection and a new Certificate for spaces so affected. All piping, heating coils, pumps and floating roof gaskets attached to or contained within spaces listed above shall be considered "NOT SAFE" unless otherwise specifically designated. STANDARD SAFETY DESIGNATIONS (These detail the minimum conditions for Safe Entry and Hot Work.) The Marine Chemist may request additional measures if workplace conditions so dictate. ATMOSPHERE SAFE FOR WORKERS means that in a space (a) the oxygen content is between 19.5% and 22% by volume, and (b) combustible gas is less than 10% of the Lower Explosive Limit, and (c) airborne toxic materials are within permissible concentrations as listed in OSHA's Subpart Z or in ACGIH's current list of Threshold Limit Values. SAFE FOR HOT WORK means that (a) oxygen within the space is less than 22% by volume; and (b) the combustible gas is less than 10% of the Lower Explosive Limit; and (c) cargo residues within the space will not combust during hot work; and (d) pipes that can deliver hazardous materials to the workspace have been separated, blanked, or locked out, and nearby hazardous spaces have been evaluated and noted on the certificate. NATE FOR HOT WORK: In the compartment or space so designated, hot work is not permitted. 'The undersigned acknowledges receipt of this Certificate and understands conditions and This Certificate is based on conditions existing at the time the inspection herein set forth was completed limitations under which it was issued." and is issued subject to compliance with all qualifications and instructions.

DOCTING

SOUND TESTING, INC.

#### SOUND TESTING, INC.

P.O. BOX 16204 SEATTLE, WA 98116 (206) 932-0206 FAX (206) 937-3848

MARINE CHEMIST CERTIFICATE
SERIAI N. ATTER

WWW.SOUNDTESTINGING.COM		SERIAL N. 47103
())4584-	WYSER	10/17/18
Survey Requested by AG 57	Vessel Owner or Agent UST & AGST	4500 U. MARCHUAL WA
Vessel (ANCIPAETE) X5 (Sunfo 40) F Last Three (3) Loadings (ATTE X 5 Cus	3,(545 40) x3/13 h AL 02	Specific Location of Vessel $0900$ Hzs
Last Three (3) Loadings (ATF) X5, (U.S.	CODIL) KS, Tests Performed LINE) 793	Time Survey Completed
900 gal AGST Nº 900 gal AGST Nº	1 / NETZTED - W	15 % )
900 Sel AGST No		
900 Sal AGST Nº	3 ( SAPE TO GO	T Access House
	5	
5000 gal UST		
·		Marie Land B.
REQUIREMENTS: WMM	CUT ACCESS HOLE WIT	TH CHOPSAN)
AME	RING CHOMIST MUST B	LE ON SITE TO
MOW .	THE HOT WORK.	COMPLETED ON
	17/18 AT 1400.	
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### In the event of changes adversely affecting conditions in the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

Qualifications: Manipulation of valves or devices tending to alter conditions in pipe lines or tanks noted above, unless specifically approved in this certificate, will require re-inspection and a new Certificate for spaces so affected. All piping, heating coils, pumps and floating roof gaskets attached to or contained within spaces listed above shall be considered "NOT SAFE" unless otherwise specifically designated.

#### STANDARD SAFETY DESIGNATIONS

(These detail the minimum conditions for Safe Entry and Hot Work.) The Marine Chemist may request additional measures if workplace conditions so dictate.

ATMOSPHERE SAFE FOR WORKERS means that in a space (a) the oxygen content is between 19.5% and 22% by volume, and (b) combustible gas is less than 10% of the Lower Explosive Limit, and (c) airborne toxic materials are within permissible concentrations as listed in OSHA's Subpart Z or In ACGIH's current list of Threshold Limit Values.

SAFE FOR HOT WORK means that (a) oxygen within the space is less than 22% by volume; and (b) the combustible gas is less than 10% of the Lower Explosive Limit; and (c) cargo residues within the space will not combust during hot work; and (d) pipes that can deliver hazardous materials to the workspace have been separated, blanked, or locked out, and nearby hazardous spaces have been evaluated and noted on the certificate.

NOT SAFE FOR HOT WORK: In the compartment or space so designated, hot work is not permitted.

DOCTING

"The undersigned acknowledges receipt of this Certificate and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

igned 2726 11 11 12 10 11 11 15 45CA

10/17/18

Signed North Talket

Certificate No.

## SOUND TESTING, INC. P.O. BOX 16204 SEATTLE, WA 98116 *MARINE CHEMIST CERTIFICATE* (206) 932-0206 FAX (206) 937-3848 SERIAL M WWW.SOUNDTESTINGING.COM いりょうごん Survey Requested by AGST 1410 HR TRANSPORT 900 94 SPACES) 12 LEC. ۵ 000 In the event of changes adversely affecting conditions in the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist. Qualifications: Manipulation of valves or devices tending to alter conditions in pipe lines or tanks noted above, unless specifically approved in this certificate, will require re-inspection and a new Certificate for spaces so affected. All piping, heating coils, pumps and floating roof gaskets attached to or contained within spaces listed above shall be considered "NOT SAFE" unless otherwise specifically designated. STANDARD SAFETY DESIGNATIONS (These detail the minimum conditions for Safe Entry and Hot Work.) The Marine Chemist may request additional measures if workplace conditions so dictate. ATMOSPHERE SAFE FOR WORKERS means that in a space (a) the oxygen content is between 19.5% and 22% by volume, and (b) combustible gas is less than 10% of the Lower Explosive Limit, and (c) airborne toxic materials are within permissible concentrations as listed in OSHA's Subpart Z or in ACGIH's current list of Threshold Limit Values. SAFE FOR HOT WORK means that (a) oxygen within the space is less than 22% by volume; and (b) the combustible gas is less than 10% of the Lower Explosive Limit; and (c) cargo residues within the space will not combust during hot work; and (d) pipes that can deliver hazardous materials to the workspace have been separated, blanked, or locked out, and nearby hazardous spaces have been evaluated and noted on the certificate.

NOT SAFE FOR HOT WORK: In the compartment or space so designated, hot work is not permitted.

"The undersigned acknowledges receipt of this Certificate and understands conditions and limitations under which it was issued."

This Certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Certificate No.



City of Seattle - Dept. of Finance & Admin. Services
Seattle Public Utilities Tank Removal SPU-18-1552

**DATE: October 15, 2018** 

COMPANY	#	7120	ESTIMATED			TYPE OF	TONNAGE
		TIME	QUANTITY	LOCATION	DATE	MATERIALS	SLIPS
		_			]		
larine Vacuum	16950	Tank-		Marine Vacuum	10/15/2018	Oily Waste Water	600 gal
larine Vacuum	16950	Tank	3 Gallons	Marine Vacuum	10/15/2018		3 gai
						(non-regulated)	
				-			1
			1				<del></del>
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				Oily Waste	Water	Total Gallons	600 gal
			<del> </del>				3 gal
<del></del>			<del>-</del>	Midd	MINIOR	Total Gallons	o yai
<del></del>							<del> </del>
					Oily Waste	Oily Waste Water Mud Muck	(non-regulated)

### ORIGINAL OILL OF LADING ORIGINAL - NOT NEGOTIABLE

					Carrier No		
Pageo	·	MARINE VACUUM SE	ERVICE INC.		Data i	o 15	18
0	·	(Name of	carrier)	(SCAC)	Date 16	المرا و	
On Collect on Delivery shipme	nts, the letters	s "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.	FROM: Shipper (A)	120 000			
	ARINE	E VACUUM SERVICE INC.		SER CON			
Street 1516	SOL	JTH GRAHAM STREET	Street 21500 City Seatt		State WA :		<u> </u>
City SEATTI	LE	State WA Zip Code 98108		CHEM	TEL 1-800-255-	Zip Code -3924	
Route			24 hr. Emergency Co	ntact Tel. No. CONT	RACT MIS3627		
No. of Units	R S D S	BASIC DESCRIPTION	·	TOTAL QUANTITY	Numbe		CHARGES
& Container Type	HM	UN or NA Number, Proper Shipping Name, Hazard Class	, Packing Group	(Weight, Volume, Gallons, etc.)	(Subject to Correction)	RATE	(For Carrier Use Only)
1 TT	Х	(DOT SPECTANK REQUIRED) UN1863 FUEL, AVIATION, TURBIN ENGINE	CLASS 3. PG I				
1 TT	X	(DOT SPEC TANK REQUIRED)				† †	
	<u> </u>	UN1203 GASOLINE, MIXTURE CLAS (DOT SPEC TANK REQUIRED)	S 3, PG II	<del></del>		+-	
111	<u>X</u>	UN1203 GASOLINE, CLASS 3, PG II				<del>                                     </del>	
1 17	X	NA1993 DIESEL MIXTURE, CLASS 3. I	PG III				
111	x	NA1993 DIESEL. CLASS 3, PG III					
1 TT	Х	NA1270 PETROLEUM OIL, CLASS 3, F	G I				-
1	×	NA1270 PETROLEUM OIL. MIXTURE, C	CLASS 3. PG I				
1 17		OILY WASTE WATER NON REG BY D	OOT	600	Calls		
1TT		WASTE WATER NON REG BY DOT					
1 177		MARINE VESSEL SEWAGE NON RE	G BY DOT				
1 11		STREET WASTE STORM PIPE CLEANI NON REG BY DOT	NG				
ITT		MUD/ MUCK NON RE	& ByDOT	3	614		
			,				
		NDERED: YES NO CO	REMIT C.O.D. TO:			<u> </u>	
specifically in writing the a agreed or declared value of be not exceeding	greed or dec the property	shared value of the property, as follows: The consignment are fully and accurate its homby specifically stated by the shipper to per poor shipping the proper shipping and are classified, packaged	COD	Amt: \$	C.O.D. F PREPAI		
a release or a value decid	aration by the tre a value, th	specify a limitation of the camer's liability absent e shipper and the shipper does not release the carrier's fability shall be limited to the extent term 172.	Subject to Section 7 of the course of	andrians, if this shipment is to be d in the consigner, the consigner is	. COLLEC	<u>по</u> \$	
must be so marked and pac	kaged as to d reight Bills an	adorsiza card of antendrati in antendrati of stocking regulations, ensure safe transportation. See Section 2(o) of ad Statements of Charges and Section 1(a) of	The carrier shall not make troight and all other lawful charge	e dolivery of this shipment withou gas,		EGHT CHAR	GES ok box il changes ox se to bo
RECE	IVED, subject t	to the classifications and larifs in effect on the date of the issue of this Bit of Lading, ed above in apparent good order, except as noted (contents and condition of con-	tination and as to each	ignature of Consigner) party at any time interested in all	or any said property, that o	every service to	_icosect
tents o (the w posses nation,	of packages un ord carrier bei ssion of the pro it on its route.	nknown), marked, consigned, and destined as indimited above which said currior ing understood throughout this contract as meaning any person or cooporation in openy under the contract) agnoss to early to its usual place of delivery at said desti- , otherwise to deliver to another canier on the route to said destination. It is mutu- th currier of all or any of, said property over all or any portion of said route to des-	sification on the date of Shipper horeby or	entifies that he is familiar with a and the said terms and condition	 If the lading terms and co	anditions in the	•
SHIPPER C	>		CARRIER MA	AR. WAC			· · · -
PER			PER Shi	(in			
	ゟ	15 18	DATE /	15 18			
Permanent post-offic	e address		STYLE F375-4 @2	012 LABELL ASTER® (8	100) 621-5808 www.li	abelmaster.	com



City of Seattle - Dept. of Finance & Admin. Services
Seattle Public Utilities Tank Removal SPU-18-1552

**DATE: October 17, 2018** 

LOAD	TRUCKING	MANIFEST	DUMP	ESTIMATED	LOCATION		TYPE OF	TONNAGE
NO.	COMPANY	#	TIME	QUANTITY		DATE	MATERIALS	SLIPS
1	Wyser Construction	3594/271599	10:00 AM	17.87 ton	Rabanco	10/17/2018	Class 3 Soil	17.87
	Wyser Construction	3594/271600	10:30 AM		Rabanco	10/17/2018		17.65
	Wyser Construction	3594/271554	10:45 AM		Rabanco	10/17/2018		17.70
	Wyser Construction	3594/271555	11:17 AM		Rabanco	10/17/2018		17.90
5	Wyser Construction	3594/271556	11:45 AM		Rabanco	10/17/2018		18.55
6	Wyser Construction	3594/271557	12:00 PM	17.09 ton	Rabanco	10/17/2018	Class 3 Soil	17.09
7	Wyser Construction	3594/271558	12:26 PM	19.83 ton	Rabanco	10/17/2018	Class 3 Soil	19.83 1
8								
	Marine Vacuum	7707	Tank	400 Gallons	Marine Vacuum	10/17/2018	Oily Water	400 gal
10								
11					_·			
12	·							
13								
14								
15								
16								l
17								
18								
19								
20								
21					Class	3 Soil	Total Tons	126.59
22					Oily	Water	Total Gallons	400 gal
23								

2733 3rd AVENU SEATTLE, WA 981 (206)-336-1365	COMP E SOUTH 34	ANY TRUCK #	271339	DISPOSAL RECEIPT
43540	GROSS	ACCT # WW SA JOB #	DATE:	7
17300	TARE	CONT # V/ TSFR	TIME OUT	SS
[ P. P. ]	NET	CITY	DATE:	答
35740		_	TIME IN $\frac{(1-\frac{k}{2})^2}{2}$	
17.87	100			
CUSTOMER # _		:	NOTICE: FACILITIES USED AT CUSTOMER'S RISK.	
RABANC 2733 3rd AVENU SEATTLE, WA 98 (206)-336-1365	CO COMP IE SOUTH 134	ANY TRUCK #		DISPOSAL RECEIPT
123 100	GROSS	ACCT # LW 5 AJOB#	DATE:	吊吊
Marine 1 Marine	TARE	CONT # W SCK	TIME OUT	OSA
i notal	NET		DATE:	왕
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CUSTOMER # _			ACIET (MODITE OFFE MI COSTOTION & MAN	

RABANCO COM 2733 3rd AVENUE SOUTH SEATTLE, WA 98134 (206)-336-1365	MPANY TRUCK #	<u> </u>
(206)-336-1365 GROSS TARE NET	ACCT #	DATE:
35,400		TIME IN 10 15
Wig to		
CUSTOMER #		NOTICE: FACILITIES USED AT CUSTOMER'S RISK.
RABANCO CON 2733 3rd AVENUE SOUTH SEATTLE, WA 98134 (206)-336-1365	MPANY TRUCK # WAY	273555
93600 GROSS	ACCT #JOB #	DATE:20
TARE NET	CONT # T S = 5	TIME OUT
35,800	<del>.</del>	TIME IN 11 1
35,800   17,90 ton		TIME IN

NOTICE: FACILITIES USED AT CUSTOMER'S RISK.

RABANC 2733 3rd AVENU SEATTLE, WA 981 (206)-336-1365	CO COMPA E SOUTH 134	NY ,	「RUCK#_	11/-7.	<u> </u>		ga sa ga wa Sana sa	است ( جارا ( جارا على  ) سابة اليا
34900	GROSS	ACCT #	LW-18	JOB#	0	ATE: 101-	<u> </u>	20
	TARE		WYSE		<del></del> .			
47800	NET	CITY	9.0	<u> </u>		TIME OUT		
37,100		GII I				DATE:	175	
18,55 HV	<b>C</b>				. <del>-</del>		e e	
10,		ومعاصر والمعاول المراز العن الجارات المرازع المرازع	make and the second make the s			MES.		
CUSTOMER #				<b>!</b>	NOTICE: FAC	LITIES USED AT (	CUSTOMER	'S RISK.
RABANC 2733 3rd AVENUE SEATTLE, WA 9813 (206)-336-1365	O COMPAI SOUTH	VY TI	RUCK#	W - 17	<u> </u>	, , , , , , , , , , , , , , , , , , ,	2715	in f
61950	GROSS				DA	ATE: 112 - 1	<del>_</del> ,	20_12
	TARE	ACCT #	W-15A7	JOB #		ME OUT		
A7800	NET		19 de seu haver	<u>Ř.</u>	_, Ti			<del></del>
31/120	IALI	CITY	<del> </del>	<u> </u>	<b>-</b>	DATE:		
2-4100						TIME IN	_ <del></del> :	
17,09 ti	»(\					<u>.</u>		
		After the standard from the party and the standard control of the standard con				1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2		;

CUSTOMER #

NOTICE: FACILITIES USED AT CUSTOMER'S RISK.

RABANC 2733 3rd AVENU SEATTLE, WA 98 (206)-336-1365	134	TRUCK #_ MO MO	27.2350	EIPT
67460 27800 39,600 19,83 4	GROSS TARE NET	ACCT #	TIME OUT  DATE: TIME IN	DISPOSAL RECEIPT
CUSTOMER # _			NOTICE: FACILITIES USED AT CUSTOMER'S RISK.	

B-0-1 B-0 10 N 8-21 Shipper No. UITUI ORIGINAL - NOT NEGOTIABLE Carrier No. MARINE VACUUM SERVICE INC. (Name of carrier) (SCAC) On Collect on Delivery chipments, the letters "COD" must appear before consigned's name or as otherwise provided in Item 430, Soc. 1. FROM: TO; Shipper MARINE VACUUM SERVICE INC. Consignee Street 1516 SOUTH GRAHAM STREET Street City State Zip Code SEATTLE WA Zip Code 98108 CHEMTEL 1-800-255-3924 24 hr. Emergency Contact Tel. No. CONTRACT MIS3627926 Route Number BASIC DESCRIPTION No. of Units HMTOTAL QUANTITY WEIGHT UN or NA Number, Proper Shipping Namo, Hazard Class, Packing Group CHARGES & Container Type (Weight, Volume, Gallons, etc.) (Subject to Correction) RATE (For Carrier (DOT SPEC TANK REQUIRED) Use Only) 1 TT X UN1863 FUEL, AVIATION, TURBIN ENGINE, CLASS 3, PG I (DOT SPEC TANK REQUIRED) 1 TT X <u>UN1203 GASOLINE, MIXTURE CLASS 3, PG II</u> (DOT SPEC TANK REQUIRED) 1 TT X <u>UN1203 GASOLINE, CLASS 3, PG II</u> 1 TT X NA1993 DIESEL MIXTURE, CLASS 3. PG III 1 TT X NA1993 DIESEL, CLASS 3, PG III 1 TT X NA1270 PETROLEUM OIL, CLASS 3, PG 1 1 TT X NA1270 PETROLEUM OIL, MIXTURE, CLASS 3. PG I 1 11 OILY WASTE WATER NON REG BY DOT 1 TT WASTE WATER NON REG BY DOT 1 TT -MARINE VESSEL SEWAGE NON REG BY DOT STREET WASTE STORM PIPE CLEANING 1 TT NON REG BY DOT PLACARDS TENDERED: YES Note — (1) When the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: The agreed or declared value of the property, as follows: The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per per (2) Where the applicable tariff provisions specify a familiation of the carrier's flability absent a release or a value declaration by the shipper and the shipper does not release the carrier's flability or declare a value, the carrier's flability shall be limited to the extent provided by such provisions. See NMFC Item 172.

(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(0) of item 350, Bills of Lating, Freight Edit and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles. C.O.D. TO: I heroby declare that the contents of this consignment are fully and accurately described above by the proper stripping name and are classified, packaged, marked and labelled/placarded, and are ADDRESS C.O.D. FEE-PREPAID [] COLLECT [] COD Amt: S in all respects in proper condition to transport according to applicable international and national governmental Subject to Section 7 of the conditions, if this shipment is to be delivered to the maignes without recourse on the consigner, the consigner shall sign the TOTAL iodowing statement: The carrier shall not make ectivery of this shipment without payment or treight and all other tawful sharges. FREIGHT CHARGES FREIGHT PREPARD Except when box all right is choosed Signature RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bit of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and declined as indicated above which said corrier (the word carrier being understood throughout this contract as meaning any person or corporation prossession of the property under the contract) agrees to carry to its usual piece of defivery of said destination, if on its notice, otherwise to deliver to another carrier on the route to said destantantant its mutually agreed as to each carrier of all or any of, said property over all or any portion of said trute to destination and as to each party at any time interested in all or any said property. That every service to be performed increader shall be subject to all the bid of lading terms and conductes in the governing dis-sification on the date of strument. ation on the date of stripment.

Shipper hareby certifies that he is lamiliar with all the lading terms and conditions in the eming classification and the said terms and conditions are hereby agreed to by the shipper and governing classification and the said accepted for himself and his assigns.

PER PER DATE 15-17-18

Permanent post-office address of shipper.

PROJECT OU RECYCLED PAPER ( TESTED WITH)

STYLE F375-4 @ 2012 LABEL MASTER @ (800) 621-5808 www.labelmaster.com



**DATE: October 18, 2018** 

# City of Seattle - Dept. of Finance & Admin. Services Seattle Public Utilities Tank Removal SPU-18-1552

LOAD	TRUCKING	MANIFEST	DUMP	ESTIMATED	LOCATION		TYPE OF	TONNAGE
NO.	COMPANY	#	TIME	QUANTITY		DATE	MATERIALS	SLIPS
-			-					
1	Wyser Construction	3596/271601	9:45 AM	31.61 ton	Rabanco	10/18/2018		31.61
	Wyser Construction	3596/271559	10:30 AM	29.67 ton	Rabanco	10/18/2018		29.67
	Wyser Construction	3596/271560	11:30 AM	34.77 ton	Rabanco	10/18/2018		34.77
	Wyser Construction	3596/271561	12:00 PM	31.41 ton	Rabanco	10/18/2018		31.41
	Wyser Construction	3596/271562	12:30 PM	36.14 ton	Rabanco	10/18/2018		36.14
6	Wyser Construction	3596/271602	1:00 PM	32.65 ton	Rabanco	10/18/2018		32.65
	Wyser Construction	3596/271563	1:30 PM	35.36 ton	Rabanco	10/18/2018		35,36
- 8	Wyser Construction	3596/271564	2:00 PM	5.57 ton	Rabanco	10/18/2018	Class 3 Soil	5.57
9								
10	Marine Vacuum	7708	Tanks	200 Gallons	Marine Vacuum		Oily Waste Water	200 gal
11	Marine Vacuum	7708	Tanks	5 Gallons	Marine Vacuum	10/18/2018	Sludge	5 gal
12								<u></u>
13						L		
14							<u> </u>	
15								
16						<u></u>		
17								
18	, <del>-</del> .							
19					Class		Total Tons	237.18
20					Oily Waste		Total Gallons	200 gal
21						Sludge	Total Gallons	5 gal
20	-					1		1

	GROSS TARE NET	CONT # 15 10B #S	DATE:
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ABANCO 33 37d AVENUE ATTLE, WA 9813	South	A N. N. Z	

DISPOSAL RECEIPT

NOTICE: FACILITIES USED AT CUSTOMER'S RISK.

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206)-336-1365	GROSS	ACCT #JOB #	DATE:20
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	NET	CITY	DATE:
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TOMER #		NOT	ICE: FACILITIES USED AT CUSTOMER'S RISK.
ABAN( 733 3rd AVEN FATTLE, WA 98	134	ANY TRUCK #	ICE: FACILITIES USED AT CUSTOMER'S RISK.
ABAN( 733 3rd AVEN 1ATTIE, WA 98 06)-336-1365	UE SOUTH 134	ANY TRUCK #	
ABAN( 33 3rd AVEN ATTIE, WA 98 06)-336-1365	UE SOUTH 134	ANY TRUCK #  ACCT # JOB #	DATE:
ABAN( 33 3rd AVEN ATTIE, WA 98 06)-336-1365	GROSS	ANY TRUCK #	DATE:
	GROSS TARE	ANY TRUCK #  ACCT # JOB # CONT #	DATE:
ABAN( 733 3rd AVEN 1ATTIE, WA 98 06)-336-1365	GROSS TARE NET	ANY TRUCK #  ACCT # JOB # CONT #	DATE:

RABAN( 2733 3rd AVEN SEATTLE, WA 98 (206)-336-1365	3134	ANY TRUCK #	
1930 -230 72,280	GROSS TARE NET	ACCT #JOB # CONT # CITY	DATE: 20 TIME OUT DATE: TIME IN
30 <sup>N</sup> :	ton		NOTICE: FACILITIES USED AT CUSTOMER'S RISK.
RABAN 2733 3rd AVEN SEATTLE, WA 98 (206)-336-1369	3134	<b>ANY</b> TRUCK #	
10 500 The 500 65,300	GROSS TARE NET	ACCT #JOB # CONT # CITY	DATE:
32.6 CUSTOMER#_	5 400		NOTICE: FACILITIES USED AT CUSTOMER'S RISK.

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RABANC 2733 3rd AVENU SEATTLE, WA 981	COMP E SOUTH	ANY	TRUCK #	مسر)			
EATTLE, WA 981 206)-336-1365	1		#JOB #		DATE:		20 <u>`</u>
	GROSS				<i>57</i> (1.5.)		
and the	TARE	CONT	# 11 200		TIME OUT_		
	NET	_ CITY_			DATE: _		
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	ر م			NOTICE.	FACILITIES USED A	AT (11570	MER'S RISK
STOMER # _				I TO IICE.	I WOUTH OFFER I	11 000.0	
733 3m² AVENU EATTLE, WA 98'	CO COMF	PANY	TRUCK #/	E. a.		in a	
733 3m² AVENU EATTLE, WA 98'	CO COMF	( 50)	Co ex		DATE:		
733 3mi aveni Eattle, wa 98	CO COMP JE SOUTH 134	ACCT :	# <u> </u>			in the second se	20
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733 3m² aveni Eattle, wa 98'	CO COMF JE SOUTH JE S	ACCT :	# <u></u>		DATE:		
1733 3rd Avent Eattle, WA 98 206)-336-1365	GROSS TARE	ACCT	# <u></u>		DATE: TIME OUT _		
1733 3rd Avent Eathe, WA 98 206)-336-1365	CO COMF JE SOUTH JE S	ACCT	# <u></u>		DATE: TIME OUT _		
733 3rd AVENI EATTLE, WA 98 206)-336-1365	GROSS TARE	ACCT	# <u></u>		DATE: TIME OUT _		

# STRAIGHT BILL OF LADING ORIGINAL—NOT NEGOTIABLE

Shipper No. <u>07708</u>

	-
A :	امره تراد

_ /	1	MA	RINE VACUUM SI	ERVICE INC		Carrier No		
Page/_ c	of <u>'</u>		(Name of		(SCAC)	Date _/	10-18	(0)
TO:		s "COD" must appear before coasignoo's name o		FROM: Nipper	yser con	stretre	·	
		JTH GRAHAM STR		Street 4	de fix p	State / M	un	<u>GW</u>
City SEATT	LE_	State WA	Zip Code 98108	24 hr. Empresson C-	CHEM	TEL 1-800-255	Zip Code -3924	
Route			<del>-,,</del> -,	24 m. Energency Co	ntact Tel, No. CONT	Vehicle		
No. of Units & Container Type	HM	UN or NA Number, Proper	BASIC DESCRIPTION Shipping Name, Hazard Class,	Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to	RATE	CHARGES (For Carrier
1,77	x	(DOT SPEC TANK REQUUN 1863 FUEL, AVIATIO	ON, TURBIN ENGINE	, CLASS 3, PG I	Galloris, Ett.)	Correction)	+	Use Only)
177	x	(DOT SPECTANK RECUN1203 GASOLINE	MIXTURE CLAS	S 3, PG []				·
_117	<u>x</u> _	(DOT SPEC TANK RECUN1203 GASOLINE						
117	х	NA1993 DIESEL MIX		PG III				
1 TT	x	NA1993 DIESEL, CL	ASS 3, PG III					
1 77	x	NA1270 PETROLEU	M OIL, CLASS 3, P	Gı				<del></del>
117	x	NA1270 PETROLEU	M OIL, MIXTURE, C	CLASS 3, PG (		-		
1 TT		OILY WASTE WATE	R NON REG BY D	OT	200	Conllors		
1 17		WASTE WATER NO	N REG BY DOT					
117		MARINE VESSEL S	EWAGE NON REC	BY DOT				
177		STREET WASTE STO NON REG BY DOT	ORM PIPE CLEANII	VG				<del>.</del>
		-	Studye		5	Gillon		
								·
Note — (1) Where the rat	le is dependa	NDERED: YES NO was on on value, shippers are required to state and value of the property, as follows: The	I haraby doclare that the contents of this	REMIT C.O.D. TO: ADDRESS				
be not exceeding  (2) Where the applicable tan  a release or a value decia	Ine property in provisions specified by the	is noteby specifically stated by the shipper to per	consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are	COD	Amt: S	C.O.D. FE PREPAID COLLECT		
the carrier's liability or declar provided by such provisions. (3) Commodules requiring s	re a value, the See NMFC it pecial or addi	e carrier's liability shall be limited to the extent	in all respects in proper condition for transport according to applicable international and national governmental regulations.	following stalements	distant, if this shipment is to be do the consigner, the consigner s	Swand to the TOTAL hall sign the CHARGE		
nem 360, Bals of Lading, Fr the Contract Terms and Con	eight Bills an Billions for a li	d Statements of Charges and Section 1(a) of st of such articles.	Signature		delivery of this stepment withouts.	Mars choose the payment of FREICHL BE	× 11 × 12 × 12 × 12 × 12 × 12 × 12 × 12	iES boxidorungos ano to bo oruno
ine pro lenis oi (the wo posses nation.	peny desenbe I padłoges un ard carrier beir sion al the pro; il on its route.	to the classifications and tarills in effect on the date of above in apparent good order, except as moted above in apparent good order, except as moted mornin, marked, consigned, and decimed as in 19 malerated throughout this contract as meanity of the contract as meanity of the contract in the contract in a contract in greecy to contract the contract of the root of the root of the root of the root of all or any of, said property over all or an	(contents and confilien of con- lected above which sold comer of any person or corporation in all place of delivery at sold desti-	silication on the date of st Shipper hereby een	tities that he is familiar with all not the said terms and conditions	lerns and conditions in the g	overning clas-	
SHIPPER	/			CARRIER				
PER L	pen	May	9.51	PER	1/2			_ {
Permanent post-office	addenes	of chinage		DATE /	0-18-18			
- Comment post-office	. uuurssi l	or supper.	co America	STYLE F375-4 @ 201	12 LABELIMASTER® (80	00) 621-5808 www.lat	elmaster.co	m



**DATE: October 19, 2018** 

City of Seattle - Dept. of Finance & Admin. Services
Seattle Public Utilities Tank Removal SPU-18-1552

LOAD	TRUCKING	MANIFEST	DUMP	ESTIMATED	LOCATION	]	TYPE OF	TONNAGE
NO.	COMPANY	#	TIME	QUANTITY		DATE	MATERIALS	SLIPS
	Wyser Construction	3597/10724	8:32 AM	20.0 CY	Penten Beaudere	40/40/0040	Comovata	00.0
	Wyser Construction	3597/10724			Renton Recyclers			20.0 cy
3		309//10/24	10:18 AM	20.0 CY	Renton Recyclers	10/19/2018	Concrete	20.0 cy
	<u> </u>	<del> </del>						<del> </del>
		-			<u> </u>			-
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- 7	<del></del>							
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19	· · · · · · · · · · · · · · · · · · ·							
20								
21						Concrete	Total 701/19	40.0 cy
22								
23								



### **RENTON CONCRETE RECYCLERS**

22121 17th Ave S.E. Suite #117 Bothell, WA 98021 Pit Site: 500 Monster Road S.W. Renton, WA Business Office: 425-481-9101

Scale House: 206-772-2278

Date: (C) Note:	<u>.,                                     </u>	5 6 6	Ticket #	10724	
Customer:	U	JUSEK	()	<del></del>	
Project Name/P.O. Nu	ımber:	Spu	16/59	- / West 1	mra.
Project Location (Str	eet/City):	SCC HIP		<u>'</u>	illy
Trucking Company: _	MM.	<del></del>	Sca	leperson: $\int$	mw
Cash	Credit Car	d - Last 4#_		Acco	unt
Truck# Time Material	Gross Weight	Tare Weight	Net Weight Material Size	Net Tons/Yd3	Price
40 600 COM	4		25M	day	·
" (1):12) (1)W.	<del></del>		3511	2004	<del></del>
				'	<del></del>
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TERMS, NET 20 DAVE EDGN SND C	S MONTH A FI	<u> </u>			
TERMS: NET 30 DAYS FROM END C be assessed on all past due accoun Annual finance charge of 18%	ts at a rate of 1 1/2% pe	unarge will er month.	Total Material		<del></del>
NOTICE: It is specifically agreed the be in anyway responsible for damage resutling from deliveries beyond the			ironmental Fee		
resutling from deliveries beyond the	curb line.		Sales Tax Processing Fee	<del></del> -	<del></del> ,
DRIVER SIGNATURE/PRINTED NAM	E:	WHS	Total		



#### **IMPORT MATERIALS LOG**

**DATE: October 22, 2018** 

# City of Seattle - Dept. of Finance & Admin. Services Seattle Public Utilities Tank Removal SPU-18-1552

LOAD	TRUCKING	MANIFEST	LOAD	ESTIMATED	LOCATION	<u> </u>	TYPE OF	TONNAGE
NO.	COMPANY	#	TIME	QUANTITY		DATE	MATERIALS	SLIPS
'								
1	Wyser Construction	3600/1970274	11:18 AM	31.19 ton	Calportland	10/22/2018	Gravel Borrow	31.19
2	Wyser Construction	3600/1970320	11:41 AM	31.81 ton	Calportland	10/22/2018	Gravel Borrow	31.81
3	Wyser Construction	3600/1970366	12:10 PM	30.99 ton	Calportland	10/22/2018		30.99
4	Wyser Construction	3600/1970423	12:36 PM	30.07 ton	Calportland	10/22/2018	Gravel Borrow	30.07
5	Wyser Construction	3600/1970472	1:00 PM		Calportland	10/22/2018		31.12
6	Wyser Construction	3600/1970510	1:18 PM	31.14 toп	Calportland	10/22/2018		31.14
7	Wyser Construction	3600/1970535	1:33 PM	32.03 ton	Calportland	10/22/2018		32.03
8	Wyser Construction	3600/1970567	1:52 PM	31.53 ton	Calportland	10/22/2018	Gravel Borrow	31.53
9								
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11					<u></u>			
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15			٠					
16		_						
17								
18								
19								
20								
21					Gravel	Borrow	Total Tons	249.88
22								

ATTLE

12

3-1552

4002 WEST MARGINAL WAY SW

CALPORTLAND

WEBB JUDY

SEATTLE, WA 981061208

# 156# 66#66 ### 6##\$ 6## #**#** 

NO: 1970366

Сору

WYSER CONSTRUCTION INC AGG 2018 MASTER BID PRICING

Job Number: SPU-18-1552

**GRAVEL BORROW** 

DELIVERY TOTALS TODAY PROJECT 1 OAD 122 QTY 93.99 2.800.47

**VAL WAY SW** 

WA 98106

	·				,
DATE	SOURCE	lbs	Tons	TNE	
10/22/2018 12:09:57 P	Seattle Agg	104,320	52.16	47.32	Gross
10/22/2018 11:08:27 A	Seattle Agg	42,340	21.17	19.21	Tare
☐ Driver Off	•	61,980	30.99	28.11	Net

Weighmaster:

FOB PICKUP JTT WYSER

DATE

	AMOUNT
PRODUCT	\$0.00
FREIGHT	\$0.00
ENV FEE	\$0.00
TAX	\$0.00
TOTAL	\$0.00

TITLE

4002 WEST MARGINAL WAY SW SEATTLE, WA 981061208

<sup>C</sup>D CALPORTLAND NO: 1970423

Copy

'i 1881: 52:11 6:2:2 |:262 |:1: 188:

WYSER CONSTRUCTION INC AGG 2018 MASTER BID PRICING

-1552 Job Number: SPU-18-1552 **GRAVEL BORROW** 

DELIVERY TOTALS TODAY PROJECT LOAD 123 QTY 124.06 2,830,54

AL WAY SW

WA 98106

vyeigimaster.			MEBB	, JUDY	
DATE 10/22/2018 12:36:29 P	SOURCE Seattle Agg	lbs 102,480	Tons 51.24	TNE 46.48	Gross
10/22/2018 11:08:27 A		42,340			
Driver Off	_	60,140	30.07	27.28	Net

10/0 in h -- - - 4- -

**FOB PICKUP** T WYSER

DATE

	AMOUNT
PRODUCT	\$0.00
FREICHT	\$0.00
ENV FEE	\$0.00
TAX	\$0.00
TOTAL	\$0.00

705A AGG SEATTLE

10/22/2018 11:48:48

4002 WEST MARGINAL WAY SW

SEATTLE, WA 981061208

Weighmaster:

CALPORTLAND 1970274

PROJECT

WEBB, JUDY

Сору

NO:

Customer:

WYSER CONSTRUCTION INC.

33283 Project:

AGG 2018 MASTER BID PRICING

P.O.:

SPU-18-1552

Job Number: SPU-18-1552

Product:

**GRAVEL BORROW** 

TODAY LOAD 120 QTY 31 19 2.737.67

**DELIVERY TOTALS** 

Delv To:

4002 WEST MARGINAL WAY SW

8128

1008242

SEATTLE.

WA 98106

DATE

DATE 10/22/2018 11:18:45 A	SOURCE Seable Agg	ibs 104,720	Tons 52.36	TNE 47.50	Gross
10/22/2018 11:08:27 A	Seattle Agg	42,340	21.17	19.21	Tare
☐ Driver Off		62,380	31.19	28.30	Net

Hauler:

REC'D BY

999

**FOB PICKUP** 

Truck:

WYS40TT WYSER

AMOUNT PRODUCT \$0.00 FREIGHT \$0.00 ENV FEE \$0.00 TAX \$0.00 TOTAL \$0.00

705A

AGG SEATTLE

4002 WEST MARGINAL WAY SW

SEATTLE, WA 981061208

CALPORTLAND 1970320

Customer: Project:

1008242 33283

WYSER CONSTRUCTION INC AGG 2018 MASTER BID PRICING

P.O.: SPU-18-1552

10/22/2018 11:41:56

Job Number: SPU-18-1552

TODAY PROJECT LOAD 121

DELIVERY TOTALS

Product: Delv To: 8128

**GRAVEL BORROW** 

QTY Weighmaster:

Copy

NO:

63,00 2,769,48 WEBB, JUDY

4002 WEST MARGINAL WAY SW

SEATTLE

WA 98106

DATE 10/22/2018 11:41:53 A	SOURCE Seattle Agg	lbs 105,960	Tons 52.98	TNE 48.06	Gross
10/22/2018 11:08:27 A	Seattle Agg	42,349	21.17	19.21	Tare
□ Driver Off		63,620	31.81	28.86	Net

Hauler:

999

**FOB PICKUP** 

Truck:

WYS40TT WYSER

REC'D BY

DATE

AMOUNT PRODUCT \$0.00 FREIGHT \$0.00 ENV FEE \$0.00 TAX. \$0.00 TOTAL \$0.00 TTLE 4002 WEST MARGINAL WAY SW 705A AGG SEATTLE 4002 WEST MARGINAL WAY SW CALPORTLAND SEATTLE, WA 981061208 SEATTLE, WA 981061208 10/22/2018 1:00:48 NO: 1970535 | |22|| 22|5| 21|55 ||12| 21|| 156| NO: i 12213) (1212 (511) (651) 55() 515() (6515 (56) **1**56) Copy WYSER CONSTRUCTION INC Customer: 1008242 WYSER CONSTRUCTION INC. AGG 2018 MASTER BID PRICING Project: 33283 AGG 2018 MASTER BID PRICING **DELIVERY TOTALS** TODAY PROJECT -1552 Job Number: SPU-18-1552 P.O.: SPU-18-1552 Job Number: SPU-18-1552 LOAD 126 LOAD **GRAVEL BORROW** Product: 8128 OTY 218.35 2,924.83 **GRAVEL BORROW** QTY Delv To: Weighmaster: WEBB, JUDY Weighmaster: IAL WAY SW 4002 WEST MARGINAL WAY SW SOURCE DATE lbs Tons TNE DATE SOURCE lbs 10/22/2018 1:33:18 P Man WT 106,400 53.20 48.26 Gross 10/22/2018 1:00:46 P Seattle Agg 98106 WA SEATTLE WA 98106 10/22/2018 11:08:27 A Seattle Agg 42,340 21,17 19.21 Tare 10/22/2018 11:08:27 A Seattle Agg 64,060 32.03 29.06 Net Driver Off Driver Off AMOUNT PRODUCT \$0.00 **FOB PICKUP** Hauler: 999 **FOB PICKUP** FREIGHT \$0.00 TT WYSER WYS40TT WYSER Truck: ENV FEE \$0.00 DATE TAX REC'D BY \$0.00 DATE TOTAL \$0.00 5 TTLE 4002 WEST MARGINAL WAY SW 705A AGG SEATTLE 4002 WEST MARGINAL WAY SW CALPORTLAND SEATTLE, WA 981061208 SEATTLE, WA 981061208 10/22/2018 1:18:51 NO: 1970567 NO: Сору

PROJECT

2,956,36

Gross

Tare

Net

WEBB, JUDY

TNE

47.81

19.21

28.60

127

 $\mathbf{c}_{\mathbf{j}}$ CALPORTLAND 1970510

1008242 Customer: WYSER CONSTRUCTION INC. 33283 Project: AGG 2018 MASTER BID PRICING

P.O.: SPU-18-1552 Job Number: SPU-18-1552 Product: **GRAVEL BORROW** 

DATE

TODAY PROJECT LOAD 125 OTY 186.32 2,892.80

**DELIVERY TOTALS** 

Сору

Delv To:

4002 WEST MARGINAL WAY SW

SEATTLE WA 98106

Weighmaster: WEBB, JUDY DATE SOURCE lbs Tons 10/22/2018 1:18:49 P Seattle Agg 104,620 52.31 47.45 Gross 10/22/2018 11:08:27 A Seattle Agg 21.17 42,340 19,21 Tare 62,280 31.14 28.25 Net ☐ Driver Off

Hauler: 999 **FOB PICKUP** WYS40TT WYSER Truck:

FREIGHT **ENV FEE** TAX TOTAL

FOB PICKUP

WA

IT WYSER

AL WAY SW

-1552

DATE

**GRAVEL BORROW** 

98106

WYSER CONSTRUCTION INC

AGG 2018 MASTER BID PRICING

Job Number: SPU-18-1552

DATE

10/22/2018 1:52:28 P

☐ Driver Off

10/22/2018 11:08:27 A Seattle Agg

AMOUNT PRODUCT \$0.00 FREIGHT \$0,00 ENV FEE \$0.00 TAY \$0.00 TOTAL \$0,00

CALPORTLAND 1970472

DELIVERY TOTALS

PROJECT

2.861.66

Gross

Tare

Net

\$0.00

\$0.00

\$0.00

\$0.00

\$0.00

WEBB, JUDY

124

TODAY

155.18

AMOUNT

PRODUCT

FREIGHT

ENV FEE

TAX

TOTAL

Copy

Tons TNE 104,580 52.29 47.44 21.17 42,340 19.21 62.240 31.12 28.23

LOAD

QTY

ibs

105,400

42,340

63,060

Weighmaster:

SOURCE

Seattle Agg

TODAY

249.88

Tons

52.70

21.17

31,53

**DELIVERY TOTALS** 

8128

REC'D BY

AMOUNT PRODUCT \$0.00 \$0,00 \$0.00 \$0.00 \$0.00



DATE: October 22, 2018

# City of Seattle - Dept. of Finance & Admin. Services Seattle Public Utilities Tank Removal SPU-18-1552

LOAD	TRUCKING	MANIFEST	DUMP	ESTIMATED	LOCATION		TYPE OF	TONNAGE
NO.	COMPANY	#	TIME	QUANTITY		DATE	MATERIALS	SLIPS
· 1	Wyser Construction	3600/454351	3:22 PM	16.66 ton	United Recycling	10/22/2018	Asphalt	16.66
2		3000/404001	0.22 1 101	10.00 1011	Critica recoyoning	10/22/2010	Nopital	10.00
3		·						<del></del>
4	<del></del>						<del> </del>	<del> </del>
5	<u> </u>		<u> </u>		<del></del>	<del></del>		
6							-	
7				·				
8		1	•	•				
9								
10								
11	<u> </u>							
12						L	ļ	
13								<u> </u>
14	<u> </u>					<u></u>		
15								
16							<del></del>	
17								
18								
19								
20					<u> </u>			
21						Asphalt	Total Tons	16.66
22								
23								

United Recycling & Container 18827 Yew Way \* Snohomish, WA 98296 OFFICE: 360-668-4300 FAX:

### SCALE TICKET

DATE: 10/22/2018

I / WE, THE UNDERSIGNED, CERTIFY THAT THE PRODUCT DELIVERED FOR DISPOSAL IS NON-HAZARDOUS RECYCLABLE MATERIAL

TIME IN:

3:22 pm

TIME OUT: 3:32 pm

TICKET #: 454

454351

1503000 WYSER CONSTRUCTION INC

ACCT#: WO#:

seeds Tribert Contemporation in

VVO #

77,740 lb 44,420 lb

Adjustments 0 lb Net 33,320 lb

Tons

Gross

Tare

16.660

QTY/WEIGHT

TONS

**CLEAN ASPHALT** 

PRODUCT

33,320.00

16.66

Cash Amt

\$0.00

Check Amt

\$0.00 Check #:

TRUCK #: WYSER40

EQUIP #:

PO#/JOB#: SPU-18-1552

SCALE LOCATION:

3 BALES:

SEAL#:

NOTES:



#### **IMPORT MATERIALS LOG**

City of Seattle - Dept. of Finance & Admin. Services
Seattle Public Utilities Tank Removal
SPU-18-1552

DATE: October 23, 2018

LOAD	TRUCKING	MANIFEST	LOAD	ESTIMATED	LOCATION		TYPE OF	TONNAG
NO.	COMPANY	#	TIME	QUANTITY		DATE	MATERIALS	SLIPS
1	When Construction	3602/1970903	8:07 AM	32.03 ton	Calportland	10/23/2018	Gravel Borrow	32.0
	Wyser Construction	3602/1970941				10/23/2018		30.0
	Wyser Construction		8:25 AM		Calportland			
	Wyser Construction	3602/1970965	8:42 AM		Calportland	10/23/2018		31.7
	Wyser Construction	3602/1971019	9:07 AM		Calportland	10/23/2018		30.2
	Wyser Construction	3602/1971092	9:36 AM		Calportland	10/23/2018		30.5
6	Wyser Construction	3602/1971125	9:50 AM	30.40 ton	Calportland	10/23/2018	Gravel Borrow	30.4
7	Wyser Construction	3602/1971172	10:22 AM	31.41 ton	Calportland	10/23/2018	Gravel Borrow	31.4
8	Wyser Construction	3602/1971239	10:59 AM	30.19 ton	Calportland	10/23/2018	Gravel Borrow	30.1
9	Wyser Construction	3602/1971287	11:26 AM	31.00 ton	Calportland	10/23/2018	Gravel Borrow	31.0
10	Wyser Construction	3602/1971333	11:51 AM	31.01 ton	Calportland	10/23/2018	Gravel Borrow	31.0
11	Wyser Construction	3602/1971366	12:05 PM	31.64 ton	Calportland	10/23/2018	Gravel Borrow	31.6
12	Wyser Construction	3602/1971394	12:21 PM	29.47 ton	Calportland	10/23/2018	Gravel Borrow	29.4
13	Wyser Construction	3602/1971454	12:49 PM	30.26 ton	Calportland	10/23/2018	Gravel Borrow	30.2
14	Wyser Construction	3602/1971522	1:29 PM	30.12 ton	Calportland	10/23/2018	Gravel Borrow	30.1
15								
16								
17								
18								
19								
20								
21					Gravel	Borrow	Total Tons	430.1
22								

TTLE 4002 WEST MARGINAL WAY SW SEATTLE, WA 981061208					NO:	<b>1</b> :	C EALPO 97096	P RTLAND 65
-			JCTION INC			00,		
	AGG 2	018 MASTE	R BID PRICING			DELIVI	ERY TOTAL	s
-1552	-1552 Job Number: SPU-18-1552						DAY 3	PROJECT 130
G	RAVE	BORROW	,		LOA	_	3.82	3.050.18
IAL WAY	/ C/M		VVe	eighmaste	er:		WEBB	, JUDY
IAL VVAT	344		DATE 10/23/2018 8:42:29 A	SOURCE Man WT	lbs 105,900	Tons 52.95	TNE 48.04	Gross
	WA	98106	10/22/2018 11:08:27 A	Seattle Agg	42,340	21.17	19.21	Tare
			☐ Driver Off	•	63,560	31.78	28.83	Net
					Ę	RODUCT	AMOUNT	<b>#0.00</b>
FOB	PICKL	JP				REIGHT		\$0.00
TT WYS	SER				1			\$0.00
11 7010	JLIN				i	NV FEE		\$0.00
		DATE			T	'AX		\$0.00
					יַן	OTAL		\$0.00
TTLE		4002 WES	T MARGINAL WAY	'SW	-		E	
SEATTLE, WA 981061208						CALPO	RTLAND	

**GRAVEL BORROW** 

98106

DATE

WYSER CONSTRUCTION INC.

AGG 2018 MASTER BID PRICING

Job Number: SPU-18-1552

DATE

Driver Off

2

-1552

AL WAY SW

WA

**FOB PICKUP** 

IT WYSER

NO:

LOAD

QTY

lbs

102.920

42.340

60.580

Weighmaster:

SOURCE

10/23/2018 9:07:51 A Seattle Agg

10/22/2018 11:08:27 A Seattle Agg

Copy

1971019

PROJECT

3 080 47

Gross

Tare

\$0.00

\$0.00

\$0.00

\$0.00

\$0.00

Hauler:

Truck:

REC'D BY

999

WYS40TT WYSER

**FOB PICKUP** 

DATE

WEBB, JUDY

46.68

19.21

AMOUNT

27.48 Net

131

DELIVERY TOTALS

TODAY

124.11

Tons

51.46

21.17

30.29

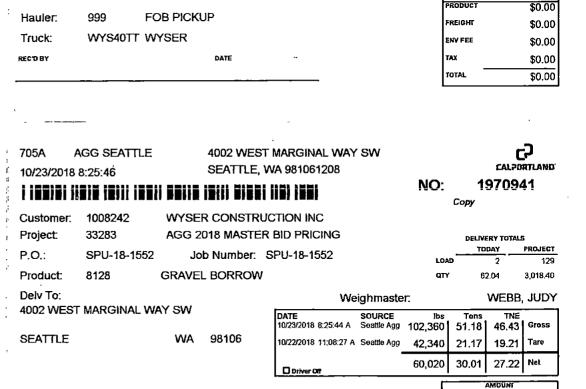
PRODUCT

FREIGHT

ENV FEE

YAX

TOTAL



4002 WEST MARGINAL WAY SW

DATE

D Driver Off

10/23/2018 8:07:38 A Man WT

10/22/2018 11:08:27 A Seattle Aug

SEATTLE, WA 981061208

WYSER CONSTRUCTION INC.

**GRAVEL BORROW** 

WA

98106

AGG 2018 MASTER BID PRICING

Job Number: SPU-18-1552

CAL SUBT! AND

PROJECT

2 988 39

Gross

Tare

WEBB, JUDY

48.26

19 21

29.06 Net

AMOUNT

128

1970903

DELIVERY TOTALS TODAY

32.03

Tons

53.20

21.17

32.03

PRODUCT

PRODUCT

FREIGHT

ENV FEE

TAX

TOTAL

\$0.00

\$0.00

\$0.00

\$0,00

\$0.00

NO:

LDAD

OTY

lbs

106 400

42.340

64.060

Weighmaster:

SOURCE

Copy

705A

Customer

Project:

Product:

Dely To:

**SEATTLE** 

P.O.:

10/23/2018 8:07:40

AGG SEATTLE

1008242

SPU-18-1552

33283

8128

4002 WEST MARGINAL WAY SW

TILE 4002 WEST MARGINAL WAY SW SEATTLE, WA 981061208 i 1886) 1186) 11818 HEST SIN 186) WYSER CONSTRUCTION INC.

 $\Gamma$ CALPORTLAND

1971125

Сору

AGG 2018 MASTER BID PRICING

Job Number: SPU-18-1552

DELIVERY TOTALS TODAY PROJECT LOAD 133 OTY 185.04 3.141.40

IAL WAY SW

WA

-1552

DATE 10/23/2018 9:50:30 10/22/2018 11:08:27

**FOB PICKUP** TT WYSER

DATE

**GRAVEL BORROW** 

98106

WYSER CONSTRUCTION INC.

AGG 2018 MASTER BID PRICING

Job Number: SPU-18-1552

**GRAVEL BORROW** 

98106

۷e	ighmaste	r.	WEBB, JUDY				
	SOURCE	lbs	Tons	TNE			
A	Seattle Agg	103,140	51.57	46.78	Gross		
' A	Seattle Agg	42,340	21.17	19.21	Tare		
	•	60,800	30.40	27.58	Net		

NO:

AMOUNT PRODUCT \$0.00 FREIGHT \$0.00 ENV FEE \$0.00 TAX \$0.00 TOTAL \$0.00 705A AGG SEATTLE

10/23/2018 9:36:32

4002 WEST MARGINAL WAY SW SEATTLE, WA 981061208

NO:

CAL SOFTS AND

Customer:

1008242 33283

8128

WYSER CONSTRUCTION INC

GRAVEL BORROW

DATE

AGG 2018 MASTER BID PRICING

Project: P.O.:

SPU-18-1552

Job Number: SPU-18-1552

1000 OTY

CODY

132 154 64 3.111.00

DELIVERY TOTALS

TODAY

1971092

Product: Dely To:

4002 WEST MARGINAL WAY SW

SEATTLE  $\Delta V \Lambda$ 98106 Weighmaster:

WEBB, JUDY

PROJECT

SOURCE DATE lbs Tons TNE 10/23/2018 9:36:30 A Seattle Agg 46.90 | Gross 103 400 51.70 10/22/2018 11:08:27 A Seattle Agg 42,340 21.17 19.21 Tare 27.70 Net 61.060 30.53 ☐ Driver Off

Hauler: Truck:

RECTI BY

999

FOB PICKUP

WYS40TT WYSER

ΔΜΩΙΙΝΤ PRODUCT \$0.00 FREIGHT \$0.00 ENV FEE \$0.00 TAY \$0.00 TOTAL \$0.00

**VITLE** 

-1552

4002 WEST MARGINAL WAY SW SEATTLE, WA 981061208

Driver Of

CALPORTLAND 1971239

C

Сору

NO:

**DELIVERY TOTALS** TODAY PROJECT LOAD 135 246.64 3,203,00

IAL WAY SW

Weighmaster:

WEBB, JUDY

DATE SOURCE 10/23/2018 10:59:55 A Seattle Age 10/22/2018 11:08:27 A Seattle Age	102,720 42,340			
☐ Driver Off	60,380	30.19	27.39	Net

**FOB PICKUP** IT WYSER

WA

DATE

AMOUNT PRODUCT \$0.00 FREIGHT \$0.00 ENV FEE \$0.00 TAX \$0.00 TOTAL \$0.00

AGG SEATTLE 705A

10/23/2018 10:22:20

4002 WEST MARGINAL WAY SW

SEATTLE, WA 981061208

NO: 1971172

Copy

Customer: 1008242 WYSER CONSTRUCTION INC.

: 18212: 1)218 1211 1222: 1121 1121 1221 1121

Project:

33283

AGG 2018 MASTER BID PRICING

P.O.:

Job Number: SPU-18-1552

Product: 8128

SPU-18-1552

GRAVEL BORROW

Weighmaster:

TODAY PROJECT LOAD

DELIVERY TOTALS

134 216.45 3,172.81

WEBB, JUDY

Gross

CALPORTLAND

Dely To:

4002 WEST MARGINAL WAY SW

SEATTLE

WA 98106

DATE

					_
ATE	SOURCE	lbs	Tons	TNE	
0/23/2018 10:22:18 A	Seattle Agg	105,160	52.58	47.70	
0/22/2018 11:08:27 A	Seattle Agg	42,340	21.17	19.21	ĺ
	-		_		-

Tare 62,820 31.41 28.49 Net Driver Of AMOUNT

Hauler:

999

**FOB PICKUP** 

Truck: REC'D BY

WYS40TT WYSER

PRODUCT \$0.00 FREIGHT \$0.00 ENV FEE \$0.00 TAX \$0.00 TOTAL \$0.00

SEATTLE, WA 981061208  NO: 19713  WYSER CONSTRUCTION INC AGG 2018 MASTER BID PRICING  -1552 Job Number: SPU-18-1552	LS PROJECT
GRAVEL BORROW QTY 308.65	137 3,265.01
	B, JUDY
62,020 31.01 28.1	3 Net
FOB PICKUP  TT WYSER  DATE  DATE  TOTAL	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00
SEATTLE, WA 981061208  NO: 1971:	С <b>)</b> РОЯТЬАНО 394
2 WYSER CONSTRUCTION INC AGG 2018 MASTER BID PRICING DELIVERY TOT TODAY	ALS PROJECT
3-1552 Job Number: SPU-18-1552 LOAD 12	139
GRAVEL BODDOM QTY 369.76	3,326.12
GRAVEL BURKOW	
GRAVEL BURKOW	B, JUDY

Driver Off

**FOB PICKUP** 

DATE

OTT WYSER

705A 10/23/2018			EST MARGINAL WAY SW LE, WA 981061208	NO:	1:	CALPO 97128	<b>-)</b> ятьано 87
					Сору		
Customer:		WYSER CONS					
Project:	33283		TER BID PRICING			ERY TOTAL: DAY	S PROJECT
P.O.:	SPU-18-1552	2 Job Numbe	er: SPU-18-1552	LOA		9 -	136
Product:	8128	GRAVEL BORRO	WC	QTY	277	7.64	3,234.00
Delv To:	~	***	Weighmas	ter:		WEBB	, JUDY
4002 WES	ST MARGINAL W	AY SW	DATE SOURCE 10/23/2018 11:26:47 A Seattle Ag		Tons 52.17	TNE 47.33	Gross
SEATTLE		WA 98106	10/22/2018 11:08:27 A Seattle Ag	,	21.17	19.21	Tare
			Driver Off	62,000	31.00	28.12	Net
			<del>-</del>	<u></u>	RODUCT	AMOUNT	***
Hauler:	999 F	OB PICKUP			REIGHT		\$0.00 \$0.00
Truck:	WYS40TT W	/YSER		i	NV FEE		\$0.00
RECTO BY		DATE		,   T.	ΑX		\$0.00
				,	OTAL -		\$0.00
705A 10/23/2018	AGG SEATTLE	,,	/EST MARGINAL WAY SW LE, WA 981061208		-	CALPO	-D
			ilie elik keek	NO:	1	9713	<b>66</b>
			III <b>Bill IBB</b> 1		Сору		
Customer:		WYSER CONS					
Project:	33283		STER BID PRICING			ERY TOTAL	
P.O.:	SPU-18-1552	2 Job Numbe	er: SPU-18-1552	LO		11	PROJECT 138
Product:	8128	GRAVEL BORRO	WC	qτ	7 34	0.29	3,296.65
Delv To:	ET MADCINIAL VA	JAV CYAL	Weighmas	ter:		WEBB	, JUDY

DATE SOURCE Ibs 10/23/2018 12:05:51 P Seattle Agg 105,620

10/22/2018 11:08:27 A Seattle Agg

Driver Off

TNE 47.91 Gross

19.21 28.70 Net

AMOUNT

Tare

\$0,00

\$0.00

\$0.00

\$0.00

\$0.00

52.81

21.17

31.64

PRODUCT

FREIGHT

ENV FEE

TAX

TOTAL

42,340

63,280

4002 WEST MARGINAL WAY SW

999

WYS40TT WYSER

WA

**FOB PICKUP** 

98106

DATE

SEATTLE

Hauler:

Truck:

REC'D BY

MOUNT

PRODUCY

FREIGHT

ENV FEE

TAX

TOTAL

\$0.00

\$0.00

\$0.00

\$0.00

\$0.00

TTLE

2

-1552

4002 WEST MARGINAL WAY SW SEATTLE, WA 981061208

CALPORTLAND

i (200) (100) (11) (10) (10)

NO:

1971522

Сору

WYSER CONSTRUCTION INC

AGG 2018 MASTER BID PRICING

Job Number: SPU-18-1552

DELIVERY TOTALS

**GRAVEL BORROW** 

TODAY PROJECT LOAD 14 141 430,14 3,386.50

Weighmaster:

WEBB, JUDY

IAL WAY SW

TT WYSER

WA 98106

	_				·
DATE	SOURCE	lbs	Tons	TNE	
10/23/2018 1:29:01 P	Seattle Agg	102,580	51.29	46.53	Gross
10/22/2018 11:08:27 A	Seattle Agg	42,340	21.17	19.21	Tare
Driver Off	•	60,240	30.12	27.32	Net

**FOB PICKUP** 

DATE

	AMOUNT	
PRODUCT		\$0.00
FREIGHT		\$0.00
ENV FEE		\$0.00
TAX		\$0.00
TOTAL		\$0.00
	_	

705A AGG SEATTLE

10/23/2018 12:49:50

4002 WEST MARGINAL WAY SW

SEATTLE, WA 981061208

NO:

Сору

CALPORTLAND 1971454

WEBB, JUDY

1008242

Customer:

WYSER CONSTRUCTION INC

33283 Project:

AGG 2018 MASTER BID PRICING

SPU-18-1552 8128

P.O.:

Job Number: SPU-18-1552

**DELIVERY TOTALS** TODAY PROJECT LOAD 13 140 QTY 400,02 3,356,38

Product: Delv To:

**FOB PICKUP** 

**GRAVEL BORROW** 

4002 WEST MARGINAL WAY SW

999

SEATTLE

98106 WA

DATE		SOURCE	lbs	Tons	TNE	-
10/23/2018	12:49:47 P	Seattle Agg				Gross
10/22/2018	11:08:27 A	Seattle Agg	42,340	21.17	19.21	Tare
1		•	60 E20	20.26	27.45	Net

☐ Driver Off

Weighmaster:

60,520 30.26 27.45 Net AMOUNT

PRODUCT \$0.00 FREIGHT \$0.00 ENV FEE \$0.00 TAX \$0.00 TOTAL \$0.00

WYS40TT WYSER

Truck: REC'D BY

Hauler:

DATE



**DATE: October 23, 2018** 

# City of Seattle - Dept. of Finance & Admin. Services Seattle Public Utilities Tank Removal SPU-18-1552

LOAD	TRUCKING	MANIFEST	DUMP	ESTIMATED	LOCATION		TYPE OF	TONNAGE
NO.	COMPANY	#	TIME	QUANTITY		DATE	MATERIALS	SLIPS
	M/	0000/45 4050	0.04.514	40.40.4		40/00/0046		10.10
<u> </u>	Wyser Construction	3602/454653	3:04 PM	18.49 ton	United Recycling	10/23/2018	Concrete	18.49
$\frac{2}{2}$		<del>                                     </del>						
3	<del></del>	<del> </del>						<del></del>
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6		<del>                                     </del>	<del></del>					
<del></del>		+	<del></del>				<u> </u>	_
8		<del> </del>						
9		<del> </del>			<del></del>			<del></del>
10		+	<del></del>	·				_ <del> </del>
11		<del> </del>		<u>.</u> .		<u> </u>		
12			<del></del>	<del></del>	<del></del>		<u> </u>	<del></del>
13		-			<del></del>		·	<del></del>
14		<del>                                     </del>	<del></del>	<del></del>			<del></del>	<del>- </del>
15		<del>                                     </del>				<u></u>	<del> </del>	<del></del>
16	<del> </del>						<del> </del>	
17		<del></del>						-
18		-					_	<del></del>
19		+						
20		+		<u>-</u> -				
21		<del></del>				Concrete	Total Tons	18.49
22	<del></del>			<del></del>		Concrete	TOTAL TOTAL	+ 10,49
23		<del> </del>		-		-	<del></del>	
		J l						

United Recycling & Container 18827 Yew Way\* Snohomish, WA 98296 OFFICE: 360-668-4300 FAX:

### SCALE TICKET

DATE: 10/23/2018

I / WE, THE UNDERSIGNED, CERTIFY THAT THE PRODUCT DELIVERED FOR DISPOSAL IS NON-HAZARDOUS RECYCLABLE MATERIAL

TIME IN: 3:04 pm
TIME OUT: 3:15 pm

TRUCK #: WYSER40

PO#/JOB#: SPU-18-1552

EQUIP#:

3 BALES:

SEAL #:

NOTES:

SCALE LOCATION:

TICKET #: 454653

ACCT#:

1503000 WYSER CONSTRUCTION INC

WO #:

PRODUCT

 Gross
 79,920
 lb

 Tare
 42,940
 lb

 Adjustments
 0
 lb

 Net
 36,980
 lb

Tons 18.490

QTY/WEIGHT

<u>TONS</u>

CLEAN CONCRETE UNDER 2FT - N

36,980.00

18.49

Cash Amt

\$0.00

Check Amt

\$0.00 Check #:

CC Amt

\$0.00

Pymt Rcd

\$0.00

AUTHORIZED SIGNATURE



#### **IMPORT MATERIALS LOG**

# City of Seattle - Dept. of Finance & Admin. Services Seattle Public Utilities Tank Removal SPU-18-1552

LOAD **TRUCKING** MANIFEST LOAD ESTIMATED TYPE OF TONNAGE LOCATION NO. COMPANY QUANTITY MATERIALS TIME DATE SLIPS 1 Wyser Construction 3603/1971888 7:51 AM 30.65 ton Calportland 10/24/2018 Gravel Borrow 30,65 2 Wyser Construction 3603/1971987 8:48 AM 15.37 ton 10/24/2018 Gravel Borrow Calportland 15.37 46.02 3 Wyser Construction 3603/1971927 8:15 AM 31.78 ton Calportland 10/24/2018 1/4" Minus Quarry 31.78 4 Wyser Construction 3603/1971983 8:45 AM 16.79 ton 10/24/2018 1/4" Minus Quarry Calportland 16.79 5 Wyser Construction 3603/1972229 10:41 AM 28.99 ton Calportland 10/24/2018 1/4" Minus Quarry 28.99 6 Wyser Construction 3603/1972320 11:21 AM 27.60 ton Calportland 10/24/2018 1/4" Minus Quarry 27.60 7 Wyser Construction 3603/1972402 11:58 AM 15.36 ton Calportland 10/24/2018 1/4" Minus Quarry 15.36 120.52 8 9 10 11 12 13 14 15 16 17 18 19 Gravel Borrow **Total Tons** 46.02 20 1 1/4" Minus Quarry **Total Tons** 120.52 21 22

**DATE: October 24, 2018** 

ITLE

4002 WEST MARGINAL WAY SW **SEATTLE, WA 981061208** 

 $C_{j}$ CALPORTLAND

NO:

1971983

Copy

QTY

WYSER CONSTRUCTION INC

AGG 2018 MASTER BID PRICING Job Number: SPU-18-1552

1 1/4" MINUS QUARRY ROCK CSB

**DELIVERY TOTALS** TODAY PROJECT LOAD 2

48 57

Weighmaster:

WEBB, JUDY

48.57

AL WAY SW

?

-1552

WA 98106

DATE	SOURCE	lbs	Tons	TNE	
10/24/2018 8:45:50 A	Seattle Agg	61,340	30.67	27.82	Gross
10/22/2018 9:33:28 A	Seattle Agg	27,760	13.88	12.59	Tare
☐ Driver Off	-	33,580	16.79	15.23	Net

**FOB PICKUP** 

WYSER TRK 40 SOLO

DATE

split load

	AMOUNT
PRODUCT	\$0.00
FREIGHT	\$0.00
ENV FEE	\$0.00
TAX	\$0.00
TOTAL	\$0.00

 $c_{2}$ 

1971987

DELIVERY TOTALS

TODAY

46.02

CALPORTLAND

PROJECT

3,432.52

WEBB, JUDY

143

TLE

4002 WEST MARGINAL WAY SW SEATTLE, WA 981061208

### iisis 12jsi 12jji 12gi 12gi

WYSER CONSTRUCTION INC A

-1552

A LOCK COMO	
GG 2018 MASTE	R BID PRICING
Job Number:	SPU-18-1552

**GRAVEL BORROW** 

Weighmaster: IAL WAY SW

10/24/2018 8:48:22 A Man WT 10/24/2018 8:47:10 A Man WT	13,600		20.11 6.17	
□ priver Off	30,740	15.37	13.94	Net

NO:

Copy

LOAD

QTY

**FOB PICKUP JTL WYSER** 

WA

DATE

98106

Solit Wood

<u> </u>	
AM	דאטס
PRODUCT	\$0.00
FREIGHT	\$0.00
ENY FEE	\$0.00
TAX	\$0.00
TOTAL	\$0.00

705A AGG SEATTLE

4002 WEST MARGINAL WAY SW SEATTLE, WA 981061208

NO:

CALPORTLAND 1971888

WEBB, JUDY

Сору

i 198151 (1915 1911) 18651 (1883 1916) 1918) 1931 1931

1008242 Customer:

WYSER CONSTRUCTION INC

33283 Project:

10/24/2018 7:51:17

AGG 2018 MASTER BID PRICING

P.O.: SPU-18-1552 Job Number: SPU-18-1552

Product: 8128

**GRAVEL BORROW** 

_	TODAY	PROJECT
LOAD	1	142
QTY	30.65	3,417.15

DELIVERY TOTALS

Delv To:

4002 WEST MARGINAL WAY SW

SEATTLE

WA 98106

	-				
DATE	SOURCE	lbs	Tons	TNE	
10/24/2018 7:51:14 A	Seattle Agg	103,640	51.82	47.01	Gross
10/22/2018 11:08:27 A	Seattle Agg	42,340	21.17	19.21	Tare
☐ Driver Off		61,300	30.65	27.81	Net

Weighmaster:

Hauler:

999

**FOB PICKUP** 

Truck: WYS40TT WYSER

REC'D BY

DATE

1		AMOUNT
ı		
ı	PRODUCT	\$0.00
	FREIGHT	\$0.00
		*
	ENV FEE	\$0.00
	TAX	00.00
	IAX	\$0.00
	TOTAL	\$0.00
		Ψ0.00

705A

AGG SEATTLE

10/24/2018 8:15:06

4002 WEST MARGINAL WAY SW

SEATTLE, WA 981061208

CALPORTLAND NO: 1971927

Сору

### ) (2015) (1212 (21)) (222) (1212 1212 1721) (22) (22)

Customer: Project:

1008242 33283

WYSER CONSTRUCTION INC

P.O.:

SPU-18-1552

AGG 2018 MASTER BID PRICING

Product:

8545

Job Number: SPU-18-1552

1 1/4" MINUS QUARRY ROCK CSB

DELIVERY TOTALS TODAY PROJECT 1.040 QTY 31.78 31.78

WERR ILIDY

Delv To:

SEATTLE

4002 WEST MARGINAL WAY SW

98106

	•			AACDD	, זטטו
DATE 0/24/2018 8:15:03 A	Source Seattle Agg	lbs 105,900	Tons "52.95	TNE 48 04	Gross
0/22/2018 11:08:27 A	Seattle Agg	42,340			
Driver Off		63,560	31.78	28.83	Net

Weighmaster:

Hauler:

RECIDBY

999

**FOB PICKUP** 

WA

Truck:

WYS40TT WYSER

DATE

AMD	INT
PRODUCT	\$0.00
FREIGHT	\$0.00
ENV FEE	\$0.00
TAX	\$0.00
TOTAL	\$0.00

705A AGG SEATTLE 4002 WEST MARGINAL WAY SW **ITTLE** 4002 WEST MARGINAL WAY SW CALPORTLAND SEATTLE, WA 981061208 SEATTLE, WA 981061208 CALPORTLAND 10/24/2018 10:41:27 NO: 1972320 NO: 1972229 || 12218 || 1888 || 1899 || 1891 || 1881 || 1881 | 120101 || 11016 | 12111 | 18212 || 1812 || 1812 || 1813 || 1831 Сору Сору 2 Customer: 1008242 WYSER CONSTRUCTION INC WYSER CONSTRUCTION INC AGG 2018 MASTER BID PRICING Project: 33283 AGG 2018 MASTER BID PRICING DELIVERY TOTALS **DELIVERY TOTALS** TODAY PROJECT TODAY PROJECT **⊦1552** Job Number: SPU-18-1552 P.O.: SPU-18-1552 Job Number: SPU-18-1552 LOAD LOAD 3 1 1/4" MINUS QUARRY ROCK CSB OTY 105.16 105,16 Product: 8545 1 1/4" MINUS QUARRY ROCK CSB 77.56 QTY 77.56 Delv To: Weighmaster: WEBB, JUDY Weighmaster: WEBB, JUDY **JAL WAY SW** 4002 WEST MARGINAL WAY SW SOURCE SOURCE DATE lbs Tons TNE DATE lbs Tons TNE 10/24/2018 10:41:25 A Seattle Agg 100,320 10/24/2018 11:21:19 A Seattle Agg 45.50 Gross 97,540 48.77 44.24 Gross 50.16 WA 98106 SEATTLE WA 98106 10/22/2018 11:08:27 A Seattle Agg 42,340 21.17 19.21 Tare 10/22/2018 11:08:27 A Seattle Agg 42,340 21.17 19.21 Tare 55,200 27.60 25.04 Net 26.30 Net 57,980 28.99 Driver Off Driver Off AMOUNT PRODUCY PRODUCT \$0.00 \$0.00 999 **FOB PICKUP FOB PICKUP** Hauler: FREIGHT FREIGHT \$0.00 \$0.00 WYS40TT WYSER IT WYSER Truck: ENV FEE **ENV FEE** \$0.00 \$0.00 DATE TAX REC'D BY DATE TAX \$0.00 \$0.00 TOTAL TOTAL \$0.00 \$0.00

> c) 705A AGG SEATTLE 4002 WEST MARGINAL WAY SW CALPORTLAND SEATTLE, WA 981061208 10/24/2018 11:58:39 NO: 1972402 Сору Customer: 1008242 WYSER CONSTRUCTION INC Project: 33283 AGG 2018 MASTER BID PRICING **DELIVERY TOTALS** PROJECT TODAY P.O.: SPU-18-1552 Job Number: SPU-18-1552 5 Product: 8545 1 1/4" MINUS QUARRY ROCK CSB OTY 120.52 120.52 Delv To: WEBB, JUDY Weighmaster. 4002 WEST MARGINAL WAY SW DATE SOURCE Tons lbs TNE 10/24/2018 11:58:37 A Seattle Agg Gross 73,060 36.53 33,14 **SEATTLE** 98106 WA 10/22/2018 11:08:27 A Seattle Agg 21.17 Tare 42,340 19.21 30,720 15.36 13.93 Net Driver Off AMOUNT PRODUCT \$0.00 Hauler 999 **FOB PICKUP** FREIGHT \$0.00

> > **ENV FEE**

TAX

TOTAL

\$0.00

\$0.00

\$0,00

Truck:

RECTI BY

WYS40TT WYSER

DATE



# City of Seattle - Dept. of Finance & Admin. Services Seattle Public Utilities Tank Removal S

SPU-18-1552

**DATE: October 24, 2018** 

LOAD	TRUCKING	MANIFEST	DUMP	ESTIMATED	LOCATION	1	TYPE OF	TONNAGE
NO.	COMPANY	#	TIME	QUANTITY		DATE	MATERIALS	SLIPS
	Wyser Construction	3603/10957	10:00 AM	20.0 CY	Renton Recyclers	10/24/2018	Concrete	20.0 cy
2	117,000		10.0071101	20.001	Tremen recoycles	10/24/2010	Concrete	20.0 Cy
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16								
17	<del></del>			-				
18								
19								
20								
21						Concrete	Total Yards	20.0 cy
22		<u> </u>					,	
23		}						