# **Interim Action Report**

US 101 Midway Metals Clallam County, Washington

for Washington State Department of Transportation

October 28, 2013





Earth Science + Technology

# **Interim Action Report**

# US 101 Midway Metals Clallam County, Washington

Project No. 0180-292-01

October 28, 2013

Prepared for:

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## **1.0 INTRODUCTION**

This document presents the results of the Interim Remedial Action for the Midway Metals Property (Site) located at 258010 Highway 101, in Clallam County near Sequim, Washington (Figure 1). The Washington State Department of Transportation (WSDOT) has performed this interim remedial action in accordance with Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Voluntary Cleanup Program (VCP) and associated implementing regulations (i.e., Chapter 173-340 Washington Administrative Code [WAC]).

WSDOT acquired the northern portion of the Site as part of the US 101 - Shore Road to Kitchen-Dick Road - Widening Project. The WSDOT-owned portion of the Site is shown on Figure 2. Metals and lube-oil contamination has been confirmed on the Site at concentrations exceeding regulatory screening criteria in soil, including the portion that WSDOT has acquired.

### **1.1. Statement of Objectives**

The objective of this document is to present the results of the waste profiling, interim remedial action and confirmation soil sampling activities performed at the Site, and to aid in establishing a No Further Action (NFA) determination for WSDOT's portion of the Site.

## **1.2. Regulatory Framework**

The Site is formally referenced in the Ecology databases as the "Midway Metals," Ecology Site ID# 1671323. The remedial activities completed by WSDOT on the Site are defined as an Interim Independent Remedial Action [WAC 173-340-430(1)(a)], as having achieved cleanup standards for a portion of the Site. Prior to preparing this Interim Remedial Action, WSDOT completed an investigation of the Site under VCP number SW1202 with Ecology. The investigation was conducted between December 2011 and February 2012 in accordance with the *Remedial Investigation Work Plan, US 101 Midway Metals, Clallam County, Washington* (GeoEngineers, 2011). The scope and results of the site investigation are presented in the *Site Investigation Report, US 101 Midway Metals, Clallam County, Washington* (GeoEngineers, 2012). In addition to the investigation results, the Site Investigation Report also incorporates the results of earlier environmental investigations conducted at the Site between 2002 and 2011.

### **2.0 SUMMARY OF SITE CONDITIONS**

WSDOT has acquired the northern portion of the Site that is located within the revised right-of-way (ROW) of the WSDOT US 101 - Shore Road to Kitchen-Dick Road - Widening Project. This widening project completes a 3.5 mile section of US 101 from Shore Road to Kitchen-Dick Road from a rural two-lane highway to a rural four-lane divided highway between Sequim and Port Angeles. This highway improvement project is being completed in an effort to reduce traffic congestion and auto accidents. The WSDOT acquisition area of the site is shown on Figure 2.



Several environmental investigations have been conducted at the Site including:

- Phase I Environmental Site Assessment by Herrera Environmental Consultants in 2002 (Herrera, 2002);
- An Initial Investigation performed by Ecology and Clallam County Environmental Health (Clallam Health) (Ecology & Clallam Health, 2006);
- A Site Hazard Assessment performed by Clallam Health (Clallam Health, 2008);
- A Hazardous Materials Discipline Report (HMDR) conducted by WSDOT in 2009 (WSDOT, 2009);
- A limited Phase II ESA performed by WSDOT in 2011 (WSDOT, 2011); and
- Site Investigation completed by GeoEngineers, Inc. in 2012 (GeoEngineers, 2012).

Each of these investigations are summarized in the Site Investigation Report (GeoEngineers, 2012).

These following sections summarize environmental conditions at the Site and provide an overview of the exposure pathways and receptors of potential concern. More detailed descriptions of Site conditions, including sampling data and details regarding the nature and extent of contamination, are provided in the Site Investigation Report (GeoEngineers, 2012).

## **2.1. Site Description and History**

Prior to the ROW revision, the Midway Metals property consisted of a 2.67-acre parcel (Clallam County Parcel No. 043018430100000) that has been a scrap metal recycling facility from 1991 to present day. With the revised ROW, the Midway Metals property has been reduced to approximately 2 acres. Figure 2 presents the Site location relative to US 101, along with the portion of the Site that was acquired by WSDOT. Neighboring parcels to the Site include: a 7.89-acre parcel (No. 043018430000000) to the east, a 4.99-acre parcel (No. 0430184300750000) to the south and a 4.91-acre parcel (No. 0430183400100000) to the west.

The scrap metal handled on Site includes automobiles, tires, heavy machinery and general construction debris. Between 1972 and 1989, a previous owner sold concrete septic tanks from the Site. Prior to 1972, the Site and surrounding areas were either undeveloped forested land or developed for rural residential purposes.

The Site slopes down to the north toward US 101 and is divided into three tiers with a range in elevation from 350 feet at the southern property boundary to 315 feet at the northern property boundary adjacent to the highway. The three tiers are accessed by dirt and gravel roadways with the Midway Metals operation located on the upper and middle tiers and the revised ROW extending onto the lower tier. There are trees and underbrush along the east, south and west property boundaries. A work trailer located on the middle tier is used as an office building and two other sheds next to the trailer are used for parts and on-site equipment storage. There are no public water or sewer connections and no records of a septic system on Site.

### **2.2. Environmental Conditions**

The local geology beneath the Site and nearby areas consists of bedrock overlain by glacial deposits. Depth to bedrock in the area is approximately 50 feet below ground surface (bgs) according to nearby

water well logs. Geologic conditions observed during the Site investigation consisted of an upper unit of silty sand to sandy silt to approximately 2 feet bgs (top soil), underlain by a lower unit of silty sand to silt with varying amounts of sand and gravel (weathered Glacial Till).

A groundwater aquifer is present in the vicinity of the Site at depths ranging between 20 feet and 220 feet bgs according to nearby water well logs. Based on surface topography, the regional groundwater flow direction likely is towards the north and northeast. Groundwater elevations and flow directions may vary seasonally.

Shallow groundwater was encountered in five soil borings completed on site from approximately 10 to 14 feet bgs in the northeast portion of the Site and approximately 3 to 5 feet bgs in the southern portion of the Site. Groundwater was also encountered in one groundwater well in the southwest portion of the Site. Water levels in this well ranged from 5.22 feet bgs to 0.25 feet bgs in December 2011 and February 2012, respectively. Groundwater was not encountered in the remaining 22 soil borings completed on Site between 2011 and 2012. The absence of uniform groundwater lenses.

Chemical analyses of soil samples collected from 2 feet bgs or less during the various investigations at the Site have detected concentrations of the chemicals of concern (COCs): heavy metals, total petroleum hydrocarbons (TPHs) and total carcinogenic polycyclic aromatic hydrocarbons (cPAHs) exceeding MTCA Method A soil cleanup levels. There have been no detections of these COCs greater than the MTCA Method A soil cleanup levels below 2 feet bgs. The most widespread COC present in Site soil is cadmium.

The Site Investigation Report (GeoEngineers, 2012) provides a detailed summary of the Site investigation and previous investigation results, and should be referenced for additional information regarding the nature and extent of COCs in Site soil, along with assessment of groundwater, surface water and sediment.

#### 2.3. Exposure Pathways and Receptors of Potential Concern

A brief summary of the potential contaminant sources, exposure pathways and potential risks to human health and the environment posed by the COCs remaining on the Site is provided below.

The concentrations of the COCs detected in soil are attributed to the scrap metal recycling operations conducted on the Site over the last 20 years. The suspected primary sources of these contaminants include surface releases from disabled vehicles, lead/acid batteries, poorly maintained heavy machinery, vandalism and theft of parts from said vehicles and machinery. Site activities (e.g., heavy traffic, road grading, minor filling and excavating) have caused the released COCs to be mixed with shallow soils on Site. Potential transport mechanisms that have likely contributed, and may continue to contribute, to disperse contaminants at the Site include continued heavy traffic, heavy machinery movements (track hoe) and soil erosion caused by rainwater runoff and wind, with subsequent downgradient deposition.

Potential receptors of concern that may be exposed to the COCs in shallow soil through direct contact (dermal absorption, dust inhalation or incidental ingestion) include Site visitors and workers,

domestic animals (pets) and terrestrial wildlife. An assessment of the exposure pathways and potential receptors of concern is presented in the Site Investigation Report (GeoEngineers, 2012).

Shallow groundwater beneath the Site is not currently being used as a drinking water source, nor is it likely to be used as a drinking water source in the future. Human ingestion of Site groundwater is not a potential future exposure pathway for the shallow perched groundwater due to the seasonal nature and insufficient yield of this groundwater zone.

## **3.0 INTERIM ACTION SUMMARY**

Construction started in January 2013 on the US 101 - Shore Road to Kitchen-Dick Road - Widening Project. A section of the new northbound ROW was designed to cross the northern portion of the Midway Metals property. The Site investigation revealed that the soil from ground surface to 2 feet below grade across the Site contained mixed debris (e.g., scrap metal, concrete, wood, tires, car parts and associated trash from stripping car interior moldings, seats). These debris were mixed with the surface soil during general Site operations making the soil unsuitable to be used as subgrade or backfill for the widening project. Furthermore, the presence of heavy metals and TPH contamination in the surface soils posed an environmental hazard that needed to be addressed before construction could begin on the Site.

Due to these soil conditions, WSDOT proposed to excavate and dispose of at least the top 2 feet of soil from their portion of the Site. The surface area of the remedial excavation area is approximately 28,000 square feet with a total volume of approximately 2,100 cubic yards.

This section describes the interim actions that were taken to remediate WSDOT's portion of the Site. These actions included the following:

- Profile the soil for waste disposal,
- Excavate the soil down to at least 2 feet below grade, and
- Collect confirmation samples of the excavation base and sidewalls to confirm that remedial objectives have been achieved.

### 3.1. Waste Profiling

GeoEngineers' services were retained to assess the surface soil relative to the Resource Conservation and Recovery Act (RCRA) regulations for operation and management of solid waste landfills. In order to properly dispose of the Site's contaminated soil at a municipal landfill, the soil needed to be adequately profiled to demonstrate that it does not pose any hazards according to RCRA.

On June 18, 2013 GeoEngineers visited the Site to collect the waste profile samples. The profiling method involved dividing the excavation area into five cells of similar proportion. A five-point composite sample was collected of the top 2 feet of soil from within each cell, totaling five samples for the remedial excavation area. See Figure 2 for sample location details.

### 3.1.1. Methods

Each composite sample was comprised of five aliquots of soil collected from within each cell. The aliquots of soil were collected from the top 2 feet using a decontaminated stainless steel hand auger. The five aliquots of soil were placed in a stainless steel bowl and homogenized. A representative portion of the mixed soil was placed in a laboratory supplied 8-ounce glass jar with a Teflon lined lid and labeled according to sample number, date, time, along with other project specific information. Each sample jar was immediately placed in a laboratory supplied cooler with ice for preservation pending transport to the laboratory.

A laboratory chain of custody form was completed with the requested analysis methods for this set of samples. The waste profile samples were submitted to the Washington State certified laboratory OnSite Environmental (OnSite) of Redmond, Washington on June 19, 2013. Each sample was analyzed for MTCA 5 Metals (arsenic, cadmium, chromium, lead and mercury), as advised by the selected disposal facility Waste Management. Toxicity Characteristic Leaching Procedure (TCLP) follow-up analysis was completed on the samples that exceeded the "20 times rule"<sup>1</sup> for individual analytes.

### 3.1.2. Results

Four of the samples collected exceeded the "20 times rule" for lead (WP1, WP3, WP4 and WP5) and one exceeded for cadmium (WP4). Follow-up TCLP analysis for these samples demonstrated that the elevated metals concentrations in soil within the sampling area did not pose a leaching potential and therefore, the soil was classified as non-hazardous solid waste suitable for a RCRA Subtitle D municipal landfill. Refer to Table 1 and Appendix A for results of the sample analysis.

A waste profile (No. 107933WA) was established with Waste Management based on analytical data from past investigations combined with the results of the above mentioned waste profiling activities. A copy of the waste profile documentation is provided in Appendix B.

### **3.2. Remedial Excavation**

The US 101 Shore to Kitchen Dick Road Widening Project contractor, Scarcella Brothers, Inc. (Scarcella) of Kent, Washington completed the remedial excavation of WSDOT's portion of the Midway Metals Site between the dates of July 8 and 15, 2013. The excavation activities were directed by WSDOT personnel. Scarcella excavated, loaded and transported 4,205 tons of soil in 156 loads by truck and trailer to North Mason Fiber in Belfair, Washington where it was loaded onto 100 ton capacity gondola rail cars and transported to Waste Management's Columbia Ridge Subtitle D Landfill in Arlington, Oregon for disposal.

Total tonnage to be hauled from the Site was estimated to be approximately 3,000 tons. WSDOT excavated and hauled away approximately 4,200 tons. The purpose for removing the additional volume of soil was to remove all visible signs of trash mixed with the soil on WSDOTs portion of the

<sup>&</sup>lt;sup>1</sup> "20 times rule" refers to an estimated determination of a characteristic hazardous waste by comparing the total metal concentration in soil in mg/kg to the EPA established TCLP regulatory limit concentrations in mg/l. For example, if lead is detected in soil at or greater than 20 times the TCLP regulatory limit of 5 mg/l (e.g.,  $\geq$ 100 mg/kg for lead), then TCLP follow up would be necessary.



Site. The excavation was completed to approximately 2.75 feet below ground surface. As discussed in Section 2.2 above, previous site investigations did not detect contamination at concentrations greater than the MTCA Method A Cleanup levels in soil deeper than 2 feet bgs, only in the upper 2 feet of soil. Copies of the individual truck weigh tickets are included in Appendix C.

## 3.3. Confirmation Soil Sampling

GeoEngineers collected confirmation soil samples from WSDOT's portion of the Site on July 16, 2013. A total of 20 confirmation soil samples were collected from the remedial excavation; 13 from the sidewalls and seven from the base. See Figure 3 for sample location details. The confirmation soil samples were submitted to OnSite on July 16, 2013 for analysis of diesel- and oil-range TPHs and RCRA 8 metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver).

## 3.3.1. Methods

The confirmation soil samples were collected by taking a large shovelful of soil and using a gloved hand, a portion of the soil (about 10 ounces) was placed in a new baggie making sure that the soil selected had not come in contact with the shovel. The soil was then homogenized in the baggie, gravel greater than 3/8-inch-diameter was removed and the homogenized soil was placed in a laboratory supplied 8-ounce glass jar with a Teflon lined lid. The jar was labeled with the sample ID, time, date and project information and was placed in a laboratory supplied cooler with ice for preservation. See attached chain of custody for sample details.

Prior to filling the sample jars, a portion of the sample was placed in a sheen pan with water to see if any sheen develops on the water, indicating the presence of petroleum-based hydrocarbons. Only one sample location had a slight colorless sheen that formed on the water (CS18-B). The soil observed in the excavation did not have any color or staining to indicate that contamination was present following remedial action. Field screening of the soil in an area with a 30-foot radius around the CS18-B sample location did not indicated the presence of petroleum hydrocarbons.

### 3.3.2. Results

The confirmation soil sample results were compared to Ecology MTCA Method A soil cleanup levels for unrestricted land use (ULU). The resulting data were either not detected or were detected below the MTCA Method A cleanup levels for all confirmation soil samples. See Table 2 and Appendix A for chemical analytical results and details.

## **4.0 CONCLUSIONS**

Remedial activities at the US 101 Midway Metals Site in Clallam County, Washington were performed between June 2013 and July 2013. The remedial activities at the Site removed a total of 4,205 tons of soil.

Soil contaminated with metals and TPHs was removed to the extent of WSDOT's portion of the Site. It is our opinion the previously released COC's have been adequately removed and resulting soil surfaces within WSDOT's portion of the Site likely will not pose a risk to human health and the environment. Therefore, WSDOT requests that a NFA determination be granted by Ecology for their portion of the Midway Metals Site.

### **5.0 LIMITATIONS**

We have prepared this report for the exclusive use of the Washington State Department of Transportation for the US 101 Midway Metals Project, Clallam County, Washington. Washington State Department of Transportation may distribute copies of this report to authorized agents and regulatory agencies as may be required for the Project.

Within the limitations of scope, schedule and budget, our services have been executed in accordance with generally accepted environmental science practices in this area at the time this report was prepared. The conclusions and opinions presented in this report are based on our professional knowledge, judgment and experience. No warranty, express or implied, applies to this report.

Please refer to Appendix D titled "Report Limitations and Guidelines for Use" for additional information pertaining to use of this report.

### **6.0 REFERENCES**

- Clallam Health, 2008. Site Hazard Assessment Worksheet 1 TCP ID No. 1671323. Prepared for Washington State Department of Ecology, May 14, 2008.
- Ecology & Clallam Health, 2006. Initial Investigation Field Report ERTS No. 556813, Prepared for Washington State Department of Ecology, October 10, 2006.
- GeoEngineers, Inc., 2012. Final Work Plan, Remedial Investigation, US 101 Midway Metals, Clallam County, Washington. December 9, 2012.
- GeoEngineers, Inc., 2012. Site Investigation Report, US 101 Midway Metals, Clallam County, Washington. September 5, 2012.
- Herrera, 2002. Initial Site Assessment E.T. Enterprises & Recycling, 258010 Highway 101, Sequim, Washington. Prepared for Washington State Department of Transportation, February 4, 2002.
- WSDOT, 2009. Hazardous Materials Discipline Report US 101 Shore to Kitchen Dick Road Widening Project. Prepared for Washington State Department of Transportation, November 2009.
- WSDOT, 2011. US 101 Midway Metals Limited Phase II Environmental Site Assessment Memorandum – US 101 Shore to Kitchen Dick Road – Widening Project. Prepared for Washington State Department of Transportation, May 25, 2011.

# TABLE 1

# WASTE PROFILE SAMPLE CHEMICAL ANALYTICAL DATA - SOIL<sup>1</sup>

US 101 MIDWAY METALS CLALLAM COUNTY, WASHINGTON

Sample Identification Date		WP1-130619-S 6/18/13	WP2-130619-S 6/18/13	WP3-130619-S 6/18/13	WP4-130619-S 6/18/13	WP5-130619-S 6/18/13	MTCA Method A Cleanup Level for Unrestricted Land Use <sup>2</sup> (mg/kg)	TCLP Limit <sup>3</sup> (mg/l)
MTCA 5 Metals by EPA 1311/6010C/7471B	Units							
Arsenic	mg/kg	12 U	13 U	12 U	12 U	11 U	20	5.0
Cadmium	mg/kg	1.8	1.5	2.5	35	2.1	2.0	1.0
TCLP Cadmium	mg/L	-	-	-	0.51	-	N/A	1.0
Chromium	mg/kg	52	50	53	68	46	NE	5.0
Lead	mg/kg	110	78	140	990	110	250	5.0
TCLP Lead	mg/L	0.2 U	-	0.2 U	0.25	0.2 U	N/A	5.0
Mercury	mg/kg	0.29 U	0.64	0.29 U	0.31	0.28 U	2.0	0.2

#### Notes:

<sup>1</sup> Chemical analysis performed by OnSite Environmental, Inc. of Redmond, Washington.

<sup>2</sup> MTCA Method A Soil Cleanup Levels for Unrestricted Land Use values from Table 740-1 (WAC 173-340-900).

<sup>3</sup> TCLP Limit values from EPA Characteristics of Hazardous Waste Table 1 - Maximum Concentration of Contaminants for the Toxicity Characteristic (40 CFR §261.24).

MTCA = Washington State Department of Ecology Model Toxics Control Act

TCLP = Toxicity Characteristic Leaching Procedure

Sample ID = WP#-YYMMDD-S where WP is waste profile, # is sample number, YYMMDD is date collected and S is soil.

NE = A cleanup level has not been established by Ecology.

N/A = Not applicable

U = The analyte was not detected at a concentration greater than the given Practical Quantification Limit (PQL).

mg/kg = milligram per kilogram

mg/I = milligram per Liter

– = Not analyzed

Bold font type indicates the reported concentration is greater than the applicable MTCA cleanup level(s).

Shading indicates the reported concentration is  $\geq$  20 times the TCLP regulatory limit for a characteristic hazardous waste.



# TABLE 2

CONFIRMATION SAMPLING CHEMICAL ANALYTICAL DATA -  $\mathsf{SOIL}^1$ 

# US 101 MIDWAY METALS

### **CLALLAM COUNTY, WASHINGTON**

			etroleum s by NWTPH- ng/kg)	RCRA 8 Metals by EPA1311/6010C/7471B (mg/kg)								
Sample ID	Date	Diesel-range hydrocarbons	Lube oil-range hydrocarbons	Arsenic	Barium	Cadmium	Chromium	Hexavalent Chromium	Lead	Mercury	Selenium	Silver
CS01-SW	7/16/2013	30 U	100	12 U	71	0.60 U	37	-	14	0.30 U	12 U	1.2 U
CS02-SW	7/16/2013	28 U	57	11 U	59	0.56 U	38	-	7.1	0.28 U	11 U	1.1 U
CS03-SW	7/16/2013	30 U	75	12 U	120	0.60 U	51	-	9.5	0.30 U	12 U	1.2 U
CS04-SW	7/16/2013	30 U	60 U	12 U	110	0.60 U	42	-	6.4	0.30 U	12 U	1.2 U
CS05-SW	7/16/2013	29 U	58 U	12 U	81	0.58 U	44	-	5.8 U	0.29 U	12 U	1.2 U
CS06-SW	7/16/2013	28 U	55 U	11 U	69	0.55 U	42	-	5.5 U	0.28 U	11 U	1.1 U
CS07-B	7/16/2013	91	320	12 U	79	0.58 U	43	-	5.8 U	0.29 U	12 U	1.2 U
CS08-SW	7/16/2013	27 U	53 U	11 U	37	0.53 U	18	-	5.3 U	0.27 U	11 U	1.1 U
CS09-SW	7/16/2013	27 U	55 U	11 U	46	0.55 U	35	-	7.1	0.27 U	11 U	1.1 U
CS010-SW	7/16/2013	29 U	57 U	11 U	44	0.57 U	35	-	5.7 U	0.29 U	11 U	1.1 U
CS11-SW	7/16/2013	39	240	13 U	85	0.66 U	37	-	7.2	0.33 U	13 U	1.3 U
CS12-SW	7/16/2013	32 U	65 U	13 U	68	0.64 U	48	-	8.3	0.32 U	13 U	1.3 U
CS13-SW	7/16/2013	29 U	58 U	12 U	30	0.58 U	24	-	5.8 U	0.29 U	12 U	1.2 U
CS14-SW	7/16/2013	32 U	65 U	13 U	71	0.65 U	37	-	7.6	0.32 U	13 U	1.3 U
CS15-B	7/16/2013	34 U	68 U	14 U	72	0.68 U	41	-	6.8 U	0.34 U	14 U	1.4 U
CS16-B	7/16/2013	29 U	59 U	12 U	110	0.59 U	39	-	5.9 U	0.29 U	12 U	1.2 U
CS17-B	7/16/2013	30 U	59 U	12 U	73	0.59 U	52	1.2 U	10	0.30 U	12 U	1.2 U
CS18-B	7/16/2013	28 U	55 U	11 U	51	0.55 U	34	-	5.5 U	0.28 U	11 U	1.1 U
CS19-B	7/16/2013	29 U	57 U	11 U	83	0.57 U	27	-	5.7 U	0.28 U	11 U	1.1 U
CS20-B	7/16/2013	30 U	59 U	12 U	68	0.59 U	26	-	5.9 U	0.30 U	12 U	1.2 U
MTCA Method A C Unrestricted	· · · · · · · · · · · · · · · · · · ·	2,000	2,000	20	NE	2.0	NE	19	250	2.0	NE	NE

#### Notes:

 $^{1}$  Chemical analysis performed by OnSite Environmental Inc. of Redmond, Washington.

<sup>2</sup> MTCA Method A Soil Cleanup Levels for Unrestricted Land Use values from Table 740-1 (WAC 173-340-900).

MTCA = Washington State Model Toxics Control Act

RCRA = Resource Conservation and Recovery Act

Sample ID = CS##-SW/B where CS is confirmation sample, ## is sample number, SW/B is sample location of either excavation sidewall or base.

NE = A cleanup level has not been established by Ecology.

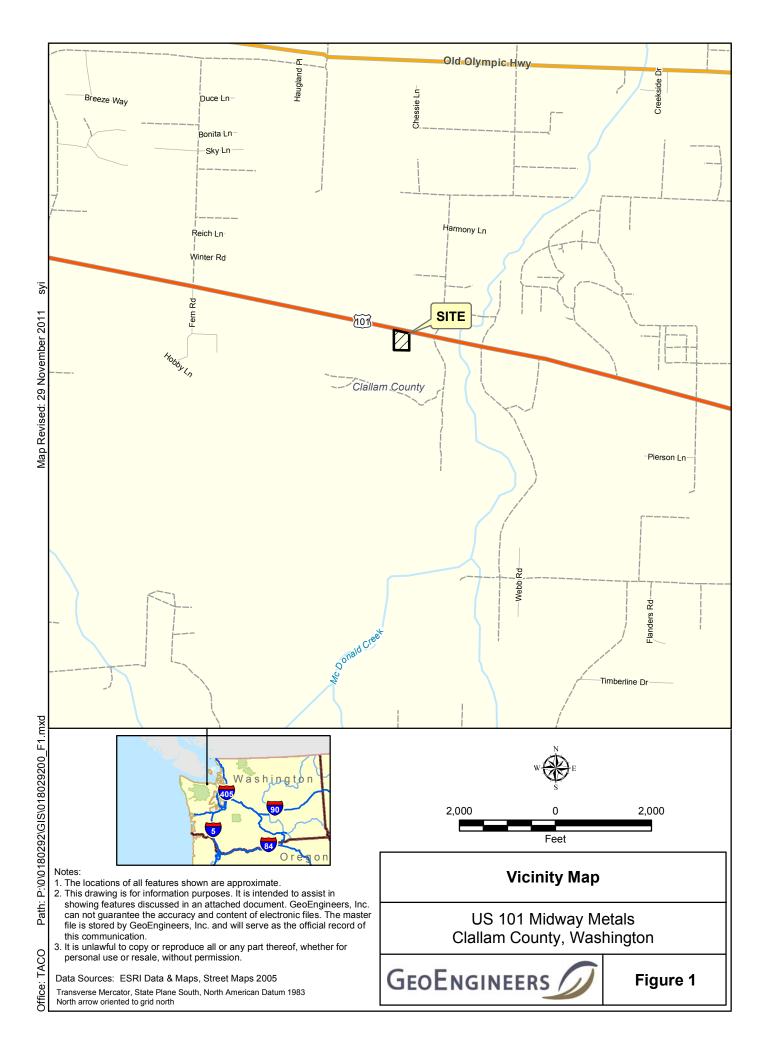
U = The analyte was not detected at a concentration greater than the given Practical Quantification Limit (PQL).

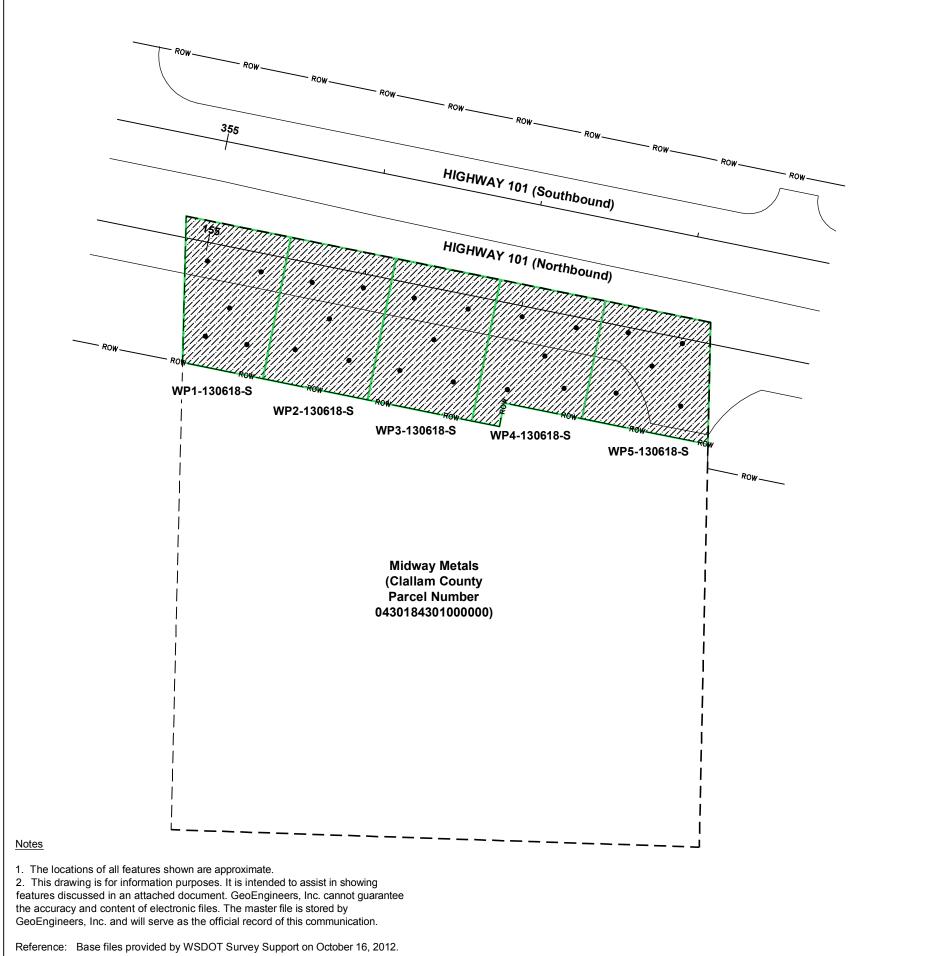
mg/kg = milligrams per kilogram

- = Not analyzed

Bold font type indicates the reported concentration is greater than the applicable MTCA cleanup level(s).









\_\_\_\_

# LEGEND

 - - - - Site Boundary

 Five Point Composite Sampling Cell

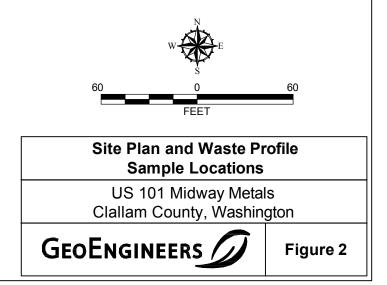
 • Five Point Composite Sample Location

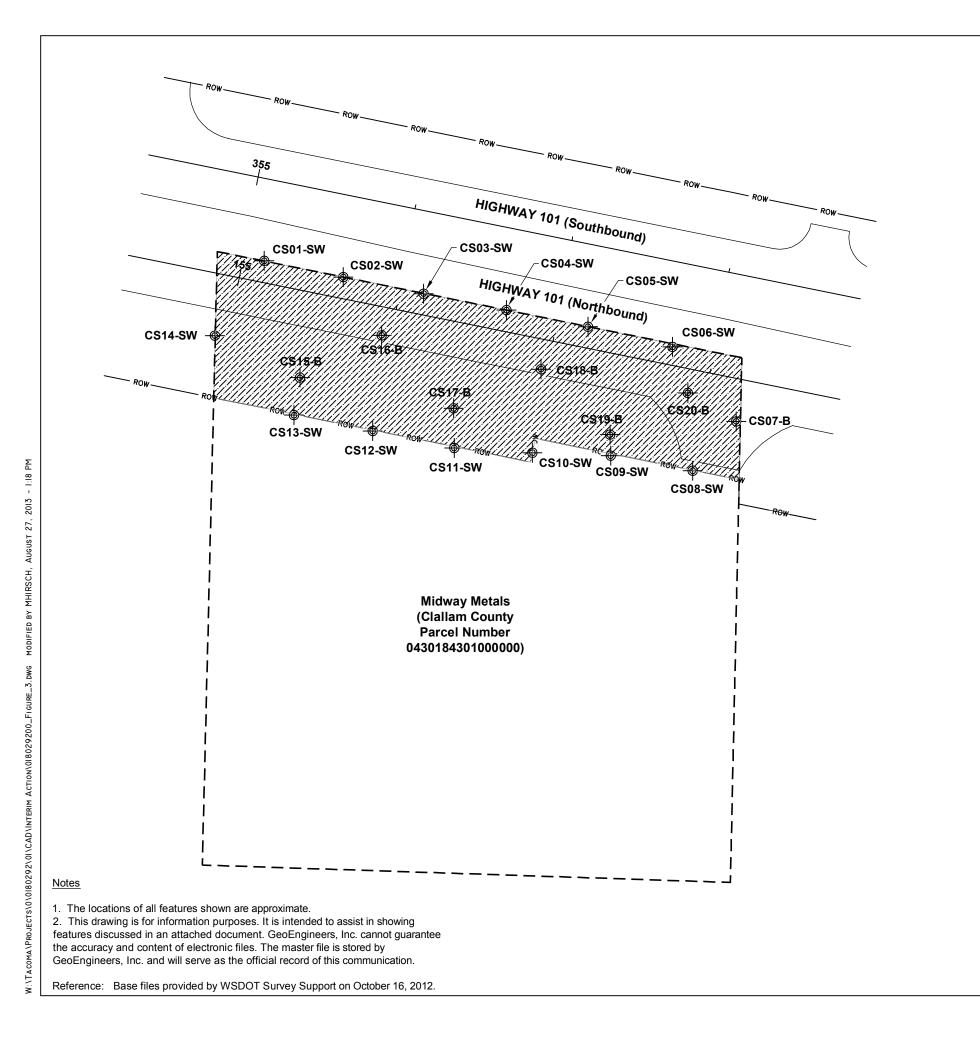
 Row
 WSDOT Right-of-Way

 155
 New Highway Alignment

 WSDOT Acquisition Area

WP5-130618-S Waste Profile Composite Sample ID





# LEGEND

— — – Site Boundary

w WSDOT Right-of-Way

55

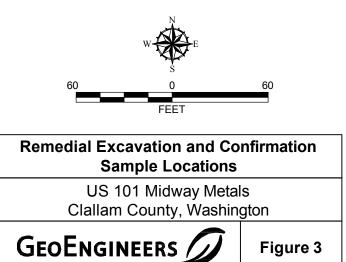
New Highway Alignment

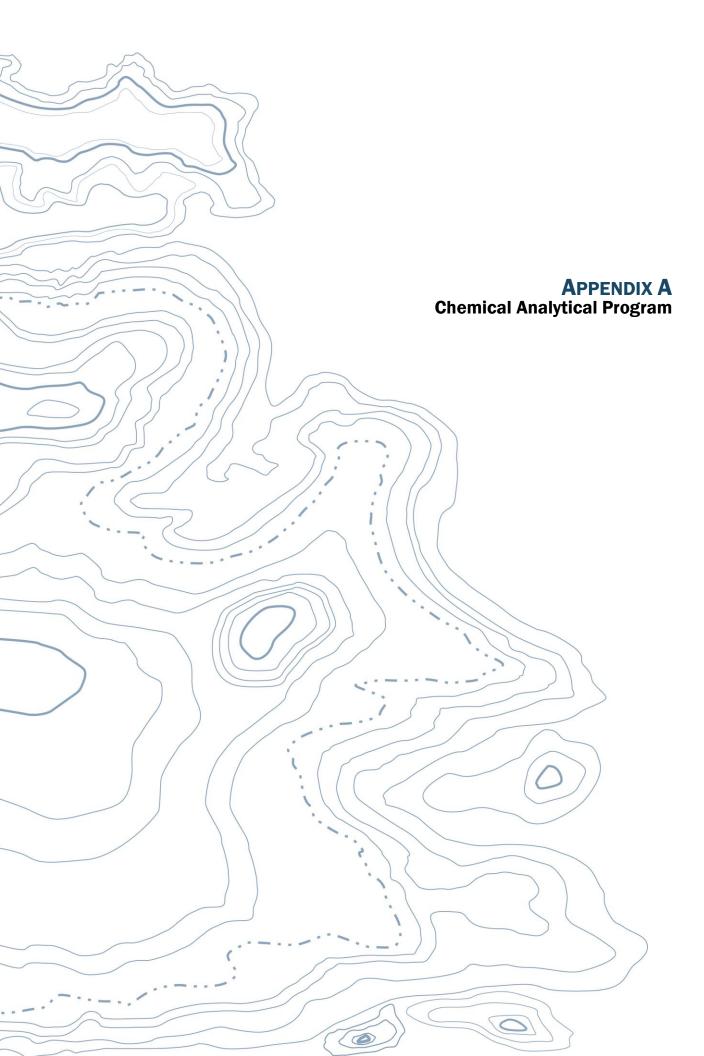
**\** 

CS01-SW - Excavation Sidewall Sample

Remedial Excavation and WSDOT Acqusition Area

CS15-B - Excavation Base Sample





# APPENDIX A CHEMICAL ANALYTICAL PROGRAM

### **Analytical Methods**

Chain-of-custody procedures were followed during the transfer of field samples to the analytical laboratory. The samples were held in cold storage pending extraction and/or analysis. The analytical results, analytical methods reference and laboratory quality assurance/quality control (QA/QC) records are included in this appendix. The analytical results are also summarized in the text of this report.

### **Analytical Data Review**

The laboratory maintains an internal quality assurance program as documented in its laboratory quality assurance manual. The laboratory uses a combination of blanks, surrogate recoveries, duplicates, matrix spike recoveries, matrix spike duplicate recoveries, blank spike recoveries, and blank spike duplicate recoveries to evaluate the validity of the analytical results. The laboratory also uses data quality goals for individual chemicals or groups of chemicals based on the long-term performance of the test methods. The data quality goals were included in the laboratory reports. The laboratory compared each group of samples with the existing data quality goals and noted any exceptions in the laboratory report.

### **Analytical Data Review Summary**

It is our opinion that the analytical data are of acceptable quality for their intended use based on our data quality review.





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

June 24, 2013

Aaron Waggoner GeoEngineers, Inc. 1101 Fawcett Avenue South, Suite 200 Tacoma, WA 98402

Re: Analytical Data for Project 0180-292-01 Laboratory Reference No. 1306-167

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on June 19, 2013.

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

#### **Case Narrative**

Samples were collected on June 18, 2013 and received by the laboratory on June 19, 2013. They were maintained at the laboratory at a temperature of  $2^{\circ}$ C to  $6^{\circ}$ C.

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.

#### ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
WP1-130618-S	06-167-01	Soil	6-18-13	6-19-13	
WP2-130618-S	06-167-02	Soil	6-18-13	6-19-13	
WP3-130618-S	06-167-03	Soil	6-18-13	6-19-13	
WP4-130618-S	06-167-04	Soil	6-18-13	6-19-13	
WP5-130618-S	06-167-05	Soil	6-18-13	6-19-13	

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

#### TOTAL METALS EPA 6010C/7471B

Matrix:	Soil
Units:	mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID: <b>Client ID:</b>	06-167-01 <b>WP1-130618-S</b>					
Arsenic	ND	12	6010C	6-20-13	6-20-13	
Cadmium	1.8	0.58	6010C	6-20-13	6-20-13	
Chromium	52	0.58	6010C	6-20-13	6-20-13	
Lead	110	5.8	6010C	6-20-13	6-20-13	
Mercury	ND	0.29	7471B	6-20-13	6-20-13	

Lab ID:	06-167-02				
Client ID:	WP2-130618-S				
Arsenic	ND	13	6010C	6-20-13	6-20-13
Cadmium	1.5	0.63	6010C	6-20-13	6-20-13
romium	50	0.63	6010C	6-20-13	6-20-13
ad	78	6.3	6010C	6-20-13	6-20-13
lercury	0.64	0.31	7471B	6-20-13	6-20-13

Lab ID: <b>Client ID:</b>	06-167-03 <b>WP3-130618-S</b>				
Arsenic	ND	12	6010C	6-20-13	6-20-13
Cadmium	2.5	0.58	6010C	6-20-13	6-20-13
Chromium	53	0.58	6010C	6-20-13	6-20-13
Lead	140	5.8	6010C	6-20-13	6-20-13
Mercury	ND	0.29	7471B	6-20-13	6-20-13

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#### TOTAL METALS EPA 6010C/7471B

Matrix:	Soil
Units:	mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID: Client ID:	06-167-04 <b>WP4-130618-S</b>					
Arsenic	ND	12	6010C	6-20-13	6-20-13	
Cadmium	35	0.59	6010C	6-20-13	6-20-13	
Chromium	68	0.59	6010C	6-20-13	6-20-13	
Lead	990	5.9	6010C	6-20-13	6-20-13	
Mercury	0.31	0.30	7471B	6-20-13	6-20-13	

Lab ID: Client ID:	06-167-05 <b>WP5-130618-S</b>					
Arsenic	ND	11	6010C	6-20-13	6-20-13	
Cadmium	2.1	0.56	6010C	6-20-13	6-20-13	
Chromium	46	0.56	6010C	6-20-13	6-20-13	
Lead	110	5.6	6010C	6-20-13	6-20-13	
Mercury	ND	0.28	7471B	6-20-13	6-20-13	

#### TCLP METALS by EPA 1311/6010C

Matrix:	TCLP Extract					
Units:	mg/L (ppm)					
				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID:	06-167-01					
Client ID:	WP1-130618-S					
Lead	ND	0.20	6010C	6-21-13	6-21-13	
Lab ID:	06-167-03					
Client ID:	WP3-130618-S					
Lead	ND	0.20	6010C	6-21-13	6-21-13	
Lab ID:	06-167-04					
Client ID:	WP4-130618-S					
Cadmium	0.51	0.020	6010C	6-21-13	6-21-13	
Lead	0.25	0.20	6010C	6-21-13	6-21-13	
Lab ID:	06-167-05					
Client ID:	WP5-130618-S					
Lead	ND	0.20	6010C	6-21-13	6-21-13	

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#### TOTAL METALS EPA 6010C/7471B METHOD BLANK QUALITY CONTROL

Date Extracted:	6-20-13
Date Analyzed:	6-20-13
Matrix:	Soil
Units:	mg/kg (ppm)

#### Lab ID: MB0620S1&MB0620SM2

Analyte	Method	Result	PQL
Arsenic	6010C	ND	10
Cadmium	6010C	ND	0.50
Chromium	6010C	ND	0.50
Lead	6010C	ND	5.0
Mercury	7471B	ND	0.25

#### TOTAL METALS EPA 6010C/7471B DUPLICATE QUALITY CONTROL

Date Extracted:	6-20-13
Date Analyzed:	6-20-13

Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID: 06-167-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	10	
Cadmium	1.57	1.82	15	0.50	
Chromium	45.2	50.1	10	0.50	
Lead	98.0	108	10	5.0	
Mercury	ND	ND	NA	0.25	

#### TOTAL METALS EPA 6010C/7471B MS/MSD QUALITY CONTROL

- Date Extracted: 6-20-13 Date Analyzed: 6-20-13
- Matrix: Soil Units: mg/kg (ppm)
- Lab ID: 06-167-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	101	101	98.1	98	3	
Cadmium	50.0	50.6	98	51.1	99	1	
Chromium	100	137	92	141	95	2	
Lead	250	317	88	305	83	4	
Mercury	0.500	0.421	84	0.433	87	3	

#### TCLP METALS by EPA 1311/6010C METHOD BLANK QUALITY CONTROL

Date Prepared:	6-20-13
Date Extracted:	6-21-13
Date Analyzed:	6-21-13
Matrix:	TCLP Extract
Units:	mg/L (ppm)

Lab ID: MB0621T1

Analyte	Method	Result	PQL
Cadmium	6010C	ND	0.020
Lead	6010C	ND	0.20

#### TCLP METALS by EPA 1311/6010C DUPLICATE QUALITY CONTROL

Date Prepared:	6-20-13
Date Extracted:	6-21-13
Date Analyzed:	6-21-13

Matrix:	TCLP Extract
Units:	mg/L (ppm)

Lab ID: 06-153-03

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Cadmium	ND	ND	NA	0.020	
Lead	ND	ND	NA	0.20	

#### TCLP METALS by EPA 1311/6010C MS/MSD QUALITY CONTROL

Date Prepared:	6-20-13
Date Extracted:	6-21-13
Date Analyzed:	6-21-13

Matrix:	TCLP Extract
Units:	mg/L (ppm)

Lab ID: 06-153-03

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Cadmium	2.00	1.83	92	1.84	92	0	
Lead	10.0	9.24	92	9.28	93	0	

#### % MOISTURE

Date Analyzed: 6-19-13

Client ID	Lab ID	% Moisture
WP1-130618-S	06-167-01	13
WP2-130618-S	06-167-02	21
WP3-130618-S	06-167-03	14
WP4-130618-S	06-167-04	16
WP5-130618-S	06-167-05	11



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

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

Z -

ND - Not Detected at PQL PQL - Practical Quantitation Limit RPD - Relative Percent Difference

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Peviewed/Date	Received	Relinquished	Received	Relinquished	Received	Relinquished	Signature		5 WP 5-130618-5	4 Wolf-120618-5	3 458 3-130618-5	2 wp2-130618.5	1 WP2-130618-S	Lab ID Sample Identification	Sample by:		USDT M. Ling Metals	0180-292-01	Company: Geologica has		Analytical Laboratory Testing Services	OnSite
Data Package: Level MML Level IV  Electronic Data De		Ī	6/12	Sa- 05 6/10/1	20	Peotrophers 6/19/13	Company Date		4   影 + -	1730 1	1715 1	1703 1	6/18/13 1645 520 1	Sampled Sampled Matrix Numper	H-HCIE H-Gx/E H-Gx		TPH analysis 5 Days)	Az Days (Feine that) Days	Same Day X1 Day (Totals)	(in working days) Laboratory N (Check One)	Turnaround Request	Chain of Custody
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July 19, 2013

Aaron Waggoner GeoEngineers, Inc. 1101 Fawcett Avenue South, Suite 200 Tacoma, WA 98402

Re: Analytical Data for Project 0180-292-01 Laboratory Reference No. 1307-116

Dear Aaron:

Enclosed are the analytical results and associated quality control data for samples submitted on July 16, 2013.

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

#### **Case Narrative**

Samples were collected on July 16, 2013 and received by the laboratory on July 16, 2013. They were maintained at the laboratory at a temperature of  $2^{\circ}$ C to  $6^{\circ}$ C.

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.

#### ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
CSO1-SW	07-116-01	Soil	7-16-13	7-16-13	
CSO2-SW	07-116-02	Soil	7-16-13	7-16-13	
CSO3-SW	07-116-03	Soil	7-16-13	7-16-13	
CSO4-SW	07-116-04	Soil	7-16-13	7-16-13	
CSO5-SW	07-116-05	Soil	7-16-13	7-16-13	
CSO6-SW	07-116-06	Soil	7-16-13	7-16-13	
CSO7-B	07-116-07	Soil	7-16-13	7-16-13	
CSO8-SW	07-116-08	Soil	7-16-13	7-16-13	
CSO9-SW	07-116-09	Soil	7-16-13	7-16-13	
CS10-SW	07-116-10	Soil	7-16-13	7-16-13	
CS11-SW	07-116-11	Soil	7-16-13	7-16-13	
CS12-SW	07-116-12	Soil	7-16-13	7-16-13	
CS13-SW	07-116-13	Soil	7-16-13	7-16-13	
CS14-SW	07-116-14	Soil	7-16-13	7-16-13	
CS15-B	07-116-15	Soil	7-16-13	7-16-13	
CS16-B	07-116-16	Soil	7-16-13	7-16-13	
CS17-B	07-116-17	Soil	7-16-13	7-16-13	
CS18-B	07-116-18	Soil	7-16-13	7-16-13	
CS19-B	07-116-19	Soil	7-16-13	7-16-13	
CS20-B	07-116-20	Soil	7-16-13	7-16-13	

#### **NWTPH-Dx**

Matrix: Soil Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CSO1-SW			•		•
Laboratory ID:	07-116-01					
Diesel Range Organics	ND	30	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	100	60	NWTPH-Dx	7-17-13	7-17-13	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	100	50-150				
Client ID:	CSO2-SW					
Laboratory ID:	07-116-02					
Diesel Range Organics	ND	28	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	57	56	NWTPH-Dx	7-17-13	7-17-13	
Surrogate: o-Terphenyl	Percent Recovery 97	Control Limits 50-150				
Client ID: Laboratory ID:	<b>CSO3-SW</b> 07-116-03					
Diesel Range Organics	ND	30	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil	75	60	NWTPH-Dx	7-17-13	7-17-13	
Surrogate: o-Terphenyl	Percent Recovery 81	Control Limits 50-150				
Client ID: Laboratory ID:	<b>CSO4-SW</b> 07-116-04					
Diesel Range Organics	ND	30	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	ND	60	NWTPH-Dx	7-17-13	7-17-13	
Surrogate: o-Terphenyl	Percent Recovery 109	Control Limits 50-150				
Client ID: Laboratory ID:	<b>CSO5-SW</b> 07-116-05					
Diesel Range Organics	ND	29	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	ND	58	NWTPH-Dx	7-17-13	7-17-13	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	103	50-150				
Client ID:	<b>CSO6-SW</b> 07-116-06					
Laboratory ID: Diesel Range Organics	ND	28	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	ND	28 55	NWTPH-Dx	7-17-13	7-17-13	
Surrogate:	Percent Recovery	Control Limits		111-10	7 17-10	
o-Terphenyl	95	50-150				

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# **NWTPH-Dx**

Matrix: Soil Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CSO7-B			•		
Laboratory ID:	07-116-07					
Diesel Range Organics	91	29	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	320	58	NWTPH-Dx	7-17-13	7-17-13	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	119	50-150				
Client ID:	CSO8-SW					
Laboratory ID:	07-116-08					
Diesel Range Organics	ND	27	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	ND	53	NWTPH-Dx	7-17-13	7-17-13	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	91	50-150				
Client ID:	CSO9-SW					
Laboratory ID:	07-116-09					
Diesel Range Organics	ND	27	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	ND	55	NWTPH-Dx	7-17-13	7-17-13	
Surrogate:	Percent Recovery	Control Limits		, , , , , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,	
o-Terphenyl	89	50-150				
Client ID:	CS10-SW					
Laboratory ID:	07-116-10					
Diesel Range Organics	ND	29	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	ND	57	NWTPH-Dx	7-17-13	7-17-13	
Surrogate:	Percent Recovery 92	Control Limits 50-150				
o-Terphenyl	92	50-150				
Client ID:	CS11-SW					
Laboratory ID:	07-116-11					
Diesel Range Organics	39	33	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	240	66	NWTPH-Dx	7-17-13	7-17-13	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	102	50-150				
Client ID:	CS12-SW					
Laboratory ID:	07-116-12					
Diesel Range Organics	ND	32	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	ND	65	NWTPH-Dx	7-17-13	7-17-13	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	91	50-150				

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# **NWTPH-Dx**

Matrix: Soil Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CS13-SW			-		
Laboratory ID:	07-116-13					
Diesel Range Organics	ND	29	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	ND	58	NWTPH-Dx	7-17-13	7-17-13	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	107	50-150				
Client ID:	CS14-SW					
Laboratory ID:	07-116-14					
Diesel Range Organics	ND	32	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	ND	65	NWTPH-Dx	7-17-13	7-17-13	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	94	50-150				
Client ID:	CS15-B					
Laboratory ID:	07-116-15					
Diesel Range Organics	ND	34	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	ND	68	NWTPH-Dx	7-17-13	7-17-13	
Surrogate:	Percent Recovery	Control Limits		, ,, ,,	/ // //0	
o-Terphenyl	88	50-150				
Client ID:	CS16-B					
Laboratory ID:	07-116-16					
Diesel Range Organics	ND	29	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	ND	59	NWTPH-Dx	7-17-13	7-17-13	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	99	50-150				
Client ID:	CS17-B					
Laboratory ID:	07-116-17					
Diesel Range Organics	ND	30	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	ND	59	NWTPH-Dx	7-17-13	7-17-13	
Surrogate:	Percent Recovery	Control Limits		-	-	
o-Terphenyl	96	50-150				
	00/0 5					
Client ID:	CS18-B					
Laboratory ID:	07-116-18	00		7 17 10	7 17 10	
Diesel Range Organics	ND	28 55		7-17-13	7-17-13	
Lube Oil Range Organics	ND Paraant Raaawaru	55 Control Limita	NWTPH-Dx	7-17-13	7-17-13	
Surrogate: o-Terphenyl	Percent Recovery 89	Control Limits 50-150				
0-i elphenyi	03	50-150				

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

# **NWTPH-Dx**

Matrix: Soil Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	CS19-B			-		
Laboratory ID:	07-116-19					
Diesel Range Organics	ND	29	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	ND	57	NWTPH-Dx	7-17-13	7-17-13	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	76	50-150				
Client ID:	CS20-B					
Laboratory ID:	07-116-20					

Laboratory ID:	07-116-20					
Diesel Range Organics	ND	30	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	ND	59	NWTPH-Dx	7-17-13	7-17-13	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	77	50-150				

Matrix:	Soil
Units:	mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID: Client ID:	07-116-01 <b>CSO1-SW</b>					
Arsenic	ND	12	6010C	7-17-13	7-17-13	
Barium	71	3.0	6010C	7-17-13	7-17-13	
Cadmium	ND	0.60	6010C	7-17-13	7-17-13	
Chromium	37	0.60	6010C	7-17-13	7-17-13	
Lead	14	6.0	6010C	7-17-13	7-17-13	
Mercury	ND	0.30	7471B	7-17-13	7-17-13	
Selenium	ND	12	6010C	7-17-13	7-17-13	
Silver	ND	1.2	6010C	7-17-13	7-17-13	

Lab ID: Client ID:	07-116-02 <b>CSO2-SW</b>				
Arsenic	ND	11	6010C	7-17-13	7-17-13
Barium	59	2.8	6010C	7-17-13	7-17-13
Cadmium	ND	0.56	6010C	7-17-13	7-17-13
Chromium	38	0.56	6010C	7-17-13	7-17-13
Lead	7.1	5.6	6010C	7-17-13	7-17-13
Mercury	ND	0.28	7471B	7-17-13	7-17-13
Selenium	ND	11	6010C	7-17-13	7-17-13
Silver	ND	1.1	6010C	7-17-13	7-17-13

Matrix:	Soil
Units:	mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID: <b>Client ID:</b>	07-116-03 <b>CSO3-SW</b>					
Arsenic	ND	12	6010C	7-17-13	7-17-13	
Barium	120	3.0	6010C	7-17-13	7-17-13	
Cadmium	ND	0.60	6010C	7-17-13	7-17-13	
Chromium	51	0.60	6010C	7-17-13	7-17-13	
Lead	9.5	6.0	6010C	7-17-13	7-17-13	
Mercury	ND	0.30	7471B	7-17-13	7-17-13	
Selenium	ND	12	6010C	7-17-13	7-17-13	
Silver	ND	1.2	6010C	7-17-13	7-17-13	

Lab ID: <b>Client ID:</b>	07-116-04 <b>CSO4-SW</b>					
Arsenic	ND	12	6010C	7-17-13	7-17-13	
Barium	110	3.0	6010C	7-17-13	7-17-13	
Cadmium	ND	0.60	6010C	7-17-13	7-17-13	
Chromium	42	0.60	6010C	7-17-13	7-17-13	
ead	6.4	6.0	6010C	7-17-13	7-17-13	
lercury	ND	0.30	7471B	7-17-13	7-17-13	
Selenium	ND	12	6010C	7-17-13	7-17-13	
Silver	ND	1.2	6010C	7-17-13	7-17-13	

Matrix:	Soil
Units:	mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID: <b>Client ID:</b>	07-116-05 <b>CSO5-SW</b>					
Arsenic	ND	12	6010C	7-17-13	7-17-13	
Barium	81	2.9	6010C	7-17-13	7-17-13	
Cadmium	ND	0.58	6010C	7-17-13	7-17-13	
Chromium	44	0.58	6010C	7-17-13	7-17-13	
Lead	ND	5.8	6010C	7-17-13	7-17-13	
Mercury	ND	0.29	7471B	7-17-13	7-17-13	
Selenium	ND	12	6010C	7-17-13	7-17-13	
Silver	ND	1.2	6010C	7-17-13	7-17-13	

Lab ID: Client ID:	07-116-06 <b>CSO6-SW</b>					
Arsenic	ND	11	6010C	7-17-13	7-17-13	
Barium	69	2.8	6010C	7-17-13	7-17-13	
Cadmium	ND	0.55	6010C	7-17-13	7-17-13	
Chromium	42	0.55	6010C	7-17-13	7-17-13	
Lead	ND	5.5	6010C	7-17-13	7-17-13	
Mercury	ND	0.28	7471B	7-17-13	7-17-13	
Selenium	ND	11	6010C	7-17-13	7-17-13	
Silver	ND	1.1	6010C	7-17-13	7-17-13	

Matrix:	Soil
Units:	mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID: <b>Client ID:</b>	07-116-07 <b>CSO7-B</b>					
Arsenic	ND	12	6010C	7-17-13	7-17-13	
Barium	79	2.9	6010C	7-17-13	7-17-13	
Cadmium	ND	0.58	6010C	7-17-13	7-17-13	
Chromium	43	0.58	6010C	7-17-13	7-17-13	
Lead	ND	5.8	6010C	7-17-13	7-17-13	
Mercury	ND	0.29	7471B	7-17-13	7-17-13	
Selenium	ND	12	6010C	7-17-13	7-17-13	
Silver	ND	1.2	6010C	7-17-13	7-17-13	

Lab ID: Client ID:	07-116-08 <b>CSO8-SW</b>					
Arsenic	ND	11	6010C	7-17-13	7-17-13	
Barium	37	2.7	6010C	7-17-13	7-17-13	
Cadmium	ND	0.53	6010C	7-17-13	7-17-13	
Chromium	18	0.53	6010C	7-17-13	7-17-13	
Lead	ND	5.3	6010C	7-17-13	7-17-13	
Mercury	ND	0.27	7471B	7-17-13	7-17-13	
Selenium	ND	11	6010C	7-17-13	7-17-13	
Silver	ND	1.1	6010C	7-17-13	7-17-13	

Matrix:	Soil
Units:	mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID: <b>Client ID:</b>	07-116-09 <b>CSO9-SW</b>					
Arsenic	ND	11	6010C	7-17-13	7-17-13	
Barium	46	2.7	6010C	7-17-13	7-17-13	
Cadmium	ND	0.55	6010C	7-17-13	7-17-13	
Chromium	35	0.55	6010C	7-17-13	7-17-13	
Lead	7.1	5.5	6010C	7-17-13	7-17-13	
Mercury	ND	0.27	7471B	7-17-13	7-17-13	
Selenium	ND	11	6010C	7-17-13	7-17-13	
Silver	ND	1.1	6010C	7-17-13	7-17-13	

Lab ID: Client ID:	07-116-10 <b>CS10-SW</b>					
Arsenic	ND	11	6010C	7-17-13	7-17-13	
Barium	44	2.9	6010C	7-17-13	7-17-13	
Cadmium	ND	0.57	6010C	7-17-13	7-17-13	
Chromium	35	0.57	6010C	7-17-13	7-17-13	
Lead	ND	5.7	6010C	7-17-13	7-17-13	
Mercury	ND	0.29	7471B	7-17-13	7-17-13	
Selenium	ND	11	6010C	7-17-13	7-17-13	
Silver	ND	1.1	6010C	7-17-13	7-17-13	

Matrix:	Soil
Units:	mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID: <b>Client ID:</b>	07-116-11 <b>CS11-SW</b>					
Arsenic	ND	13	6010C	7-17-13	7-17-13	
Barium	85	3.3	6010C	7-17-13	7-17-13	
Cadmium	ND	0.66	6010C	7-17-13	7-17-13	
Chromium	37	0.66	6010C	7-17-13	7-17-13	
Lead	7.2	6.6	6010C	7-17-13	7-17-13	
Mercury	ND	0.33	7471B	7-17-13	7-17-13	
Selenium	ND	13	6010C	7-17-13	7-17-13	
Silver	ND	1.3	6010C	7-17-13	7-17-13	

Lab ID: Client ID:	07-116-12 <b>CS12-SW</b>					
Arsenic	ND	13	6010C	7-17-13	7-17-13	
Barium	68	3.2	6010C	7-17-13	7-17-13	
Cadmium	ND	0.64	6010C	7-17-13	7-17-13	
Chromium	48	0.64	6010C	7-17-13	7-17-13	
Lead	8.3	6.4	6010C	7-17-13	7-17-13	
Mercury	ND	0.32	7471B	7-17-13	7-17-13	
Selenium	ND	13	6010C	7-17-13	7-17-13	
Silver	ND	1.3	6010C	7-17-13	7-17-13	

Matrix:	Soil
Units:	mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID: Client ID:	07-116-13 <b>CS13-SW</b>					
Arsenic	ND	12	6010C	7-17-13	7-17-13	
Barium	30	2.9	6010C	7-17-13	7-17-13	
Cadmium	ND	0.58	6010C	7-17-13	7-17-13	
Chromium	24	0.58	6010C	7-17-13	7-17-13	
_ead	ND	5.8	6010C	7-17-13	7-17-13	
Mercury	ND	0.29	7471B	7-17-13	7-17-13	
Selenium	ND	12	6010C	7-17-13	7-17-13	
Silver	ND	1.2	6010C	7-17-13	7-17-13	

Lab ID: Client ID:	07-116-14 <b>CS14-SW</b>					
Arsenic	ND	13	6010C	7-17-13	7-17-13	
Barium	71	3.2	6010C	7-17-13	7-17-13	
Cadmium	ND	0.65	6010C	7-17-13	7-17-13	
Chromium	37	0.65	6010C	7-17-13	7-17-13	
Lead	7.6	6.5	6010C	7-17-13	7-17-13	
Mercury	ND	0.32	7471B	7-17-13	7-17-13	
Selenium	ND	13	6010C	7-17-13	7-17-13	
Silver	ND	1.3	6010C	7-17-13	7-17-13	

Matrix:	Soil
Units:	mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID: Client ID:	07-116-15 <b>CS15-B</b>					
Arsenic	ND	14	6010C	7-17-13	7-17-13	
Barium	72	3.4	6010C	7-17-13	7-17-13	
Cadmium	ND	0.68	6010C	7-17-13	7-17-13	
Chromium	41	0.68	6010C	7-17-13	7-17-13	
Lead	ND	6.8	6010C	7-17-13	7-17-13	
Mercury	ND	0.34	7471B	7-17-13	7-17-13	
Selenium	ND	14	6010C	7-17-13	7-17-13	
Silver	ND	1.4	6010C	7-17-13	7-17-13	

Lab ID: Client ID:	07-116-16 <b>CS16-B</b>				
Arsenic	ND	12	6010C	7-17-13	7-17-13
Barium	110	2.9	6010C	7-17-13	7-17-13
Cadmium	ND	0.59	6010C	7-17-13	7-17-13
Chromium	39	0.59	6010C	7-17-13	7-17-13
Lead	ND	5.9	6010C	7-17-13	7-17-13
Mercury	ND	0.29	7471B	7-17-13	7-17-13
Selenium	ND	12	6010C	7-17-13	7-17-13
Silver	ND	1.2	6010C	7-17-13	7-17-13

Matrix:	Soil
Units:	mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID: <b>Client ID:</b>	07-116-17 <b>CS17-B</b>					
Arsenic	ND	12	6010C	7-17-13	7-17-13	
Barium	73	3.0	6010C	7-17-13	7-17-13	
Cadmium	ND	0.59	6010C	7-17-13	7-17-13	
Chromium	52	0.59	6010C	7-17-13	7-17-13	
_ead	10	5.9	6010C	7-17-13	7-17-13	
Mercury	ND	0.30	7471B	7-17-13	7-17-13	
Selenium	ND	12	6010C	7-17-13	7-17-13	
Silver	ND	1.2	6010C	7-17-13	7-17-13	

Lab ID: Client ID:	07-116-18 <b>CS18-B</b>					
Arsenic	ND	11	6010C	7-17-13	7-17-13	
Barium	51	2.8	6010C	7-17-13	7-17-13	
Cadmium	ND	0.55	6010C	7-17-13	7-17-13	
Chromium	34	0.55	6010C	7-17-13	7-17-13	
Lead	ND	5.5	6010C	7-17-13	7-17-13	
Mercury	ND	0.28	7471B	7-17-13	7-17-13	
Selenium	ND	11	6010C	7-17-13	7-17-13	
Silver	ND	1.1	6010C	7-17-13	7-17-13	

Matrix:	Soil
Units:	mg/kg (ppm)

				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID: <b>Client ID:</b>	07-116-19 <b>CS19-B</b>					
Arsenic	ND	11	6010C	7-17-13	7-17-13	
Barium	83	2.8	6010C	7-17-13	7-17-13	
Cadmium	ND	0.57	6010C	7-17-13	7-17-13	
Chromium	27	0.57	6010C	7-17-13	7-17-13	
Lead	ND	5.7	6010C	7-17-13	7-17-13	
Mercury	ND	0.28	7471B	7-17-13	7-17-13	
Selenium	ND	11	6010C	7-17-13	7-17-13	
Silver	ND	1.1	6010C	7-17-13	7-17-13	

Lab ID: Client ID:	07-116-20 <b>CS20-B</b>					
Arsenic	ND	12	6010C	7-17-13	7-17-13	
Barium	68	3.0	6010C	7-17-13	7-17-13	
Cadmium	ND	0.59	6010C	7-17-13	7-17-13	
Chromium	26	0.59	6010C	7-17-13	7-17-13	
Lead	ND	5.9	6010C	7-17-13	7-17-13	
Mercury	ND	0.30	7471B	7-17-13	7-17-13	
Selenium	ND	12	6010C	7-17-13	7-17-13	
Silver	ND	1.2	6010C	7-17-13	7-17-13	

#### SOLUBLE HEXAVALENT CHROMIUM WATER EXTRACTION EPA 7196A

Matrix:	Soil					
Units:	mg/kg (ppm)					
				Date	Date	
Analyte	Result	PQL	EPA Method	Prepared	Analyzed	Flags
Lab ID:	07-116-17					
Client ID:	CS17-B					
Hexavalent Chromium	ND	1.2	7196A mod	7-19-13	7-19-13	

## NWTPH-Dx QUALITY CONTROL

Matrix: Soil Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0717S1					
Diesel Range Organics	ND	25	NWTPH-Dx	7-17-13	7-17-13	
Lube Oil Range Organics	ND	50	NWTPH-Dx	7-17-13	7-17-13	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	96	50-150				

			Per	cent	Recovery		RPD	
Analyte	Res	sult	Rec	overy	Limits	RPD	Limit	Flags
DUPLICATE								
Laboratory ID:	07-11	16-10						
	ORIG	DUP						
Diesel Range Organics	ND	ND				NA	NA	
Lube Oil Range Organics	ND	ND				NA	NA	
Surrogate:								
o-Terphenyl			92	105	50-150			
DUPLICATE								
Laboratory ID:	07-11	16-18						
	ORIG	DUP						
Diesel Range Organics	ND	ND				NA	NA	
Lube Oil Range Organics	ND	ND				NA	NA	
Surrogate:								
o-Terphenyl			89	88	50-150			

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

# TOTAL METALS EPA 6010C/7471B METHOD BLANK QUALITY CONTROL

Date Extracted:	7-17-13
Date Analyzed:	7-17-13
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID: MB0717SM1&MB0717S1

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

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# TOTAL METALS EPA 6010C/7471B DUPLICATE QUALITY CONTROL

Date Extracted:	7-17-13
Date Analyzed:	7-17-13

Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID: 07-116-09

ags

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# TOTAL METALS EPA 6010C/7471B MS/MSD QUALITY CONTROL

Date Extracted:	7-17-13
Date Analyzed:	7-17-13

Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID: 07-116-09

	Spike		Percent		Percent		
Analyte	Level	MS	Recovery	MSD	Recovery	RPD	Flags
Arsenic	100	97.4	97	99.2	99	2	
Barium	100	139	97	144	102	4	
Cadmium	50.0	46.6	93	47.3	95	1	
Chromium	100	119	87	124	92	4	
Lead	250	234	91	235	92	1	
Mercury	0.500	0.421	84	0.446	89	6	
Selenium	100	95.2	95	97.3	97	2	
Silver	25.0	21.0	84	21.1	84	0	

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## SOLUBLE HEXAVALENT CHROMIUM WATER EXTRACTION EPA 7196A METHOD BLANK QUALITY CONTROL

Date Extracted:	7-19-13
Date Analyzed:	7-19-13
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID: 07-116-17

Spike	Percen	t	Percent		
evel M	S Recove	ry MSD	Recovery	RPD	Flags
5.00 <b>5.</b> 4	<b>40</b> 108	5.05	101	7	
	evel M	evel MS Recover	evel MS Recovery MSD	evel MS Recovery MSD Recovery	evel MS Recovery MSD Recovery RPD

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## SOLUBLE HEXAVALENT CHROMIUM WATER EXTRACTION EPA 7196A DUPLICATE QUALITY CONTROL

Date Extracted:	7-19-13
Date Analyzed:	7-19-13

Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID: 07-116-17

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Hexavalent Chromium	ND	ND	NA	1.0	

## SOLUBLE HEXAVALENT CHROMIUM WATER EXTRACTION EPA 7196A MS/MSD QUALITY CONTROL

Date Extracted:	7-19-13
Date Analyzed:	7-19-13
Matrix:	Soil
Units:	mg/kg (ppm)

Lab ID: 07-116-17

	Spike		Percent		Percent		
Analyte	Level	MS	Recovery	MSD	Recovery	RPD	Flags
Hexavalent Chromium	5.00	5.40	108	5.05	101	7	

# % MOISTURE

Date Analyzed: 7-16-13

Client ID	Lab ID	% Moisture
CSO1-SW	07-116-01	17
CSO2-SW	07-116-02	11
CSO3-SW	07-116-03	17
CSO4-SW	07-116-04	16
CSO5-SW	07-116-05	14
CSO6-SW	07-116-06	9
CSO7-B	07-116-07	14
CSO8-SW	07-116-08	6
CSO9-SW	07-116-09	9
CS10-SW	07-116-10	13
CS11-SW	07-116-11	24
CS12-SW	07-116-12	22
CS13-SW	07-116-13	13
CS14-SW	07-116-14	23
CS15-B	07-116-15	26
CS16-B	07-116-16	15
CS17-B	07-116-17	16
CS18-B	07-116-18	10
CS19-B	07-116-19	12
CS20-B	07-116-20	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-napthalene) 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.

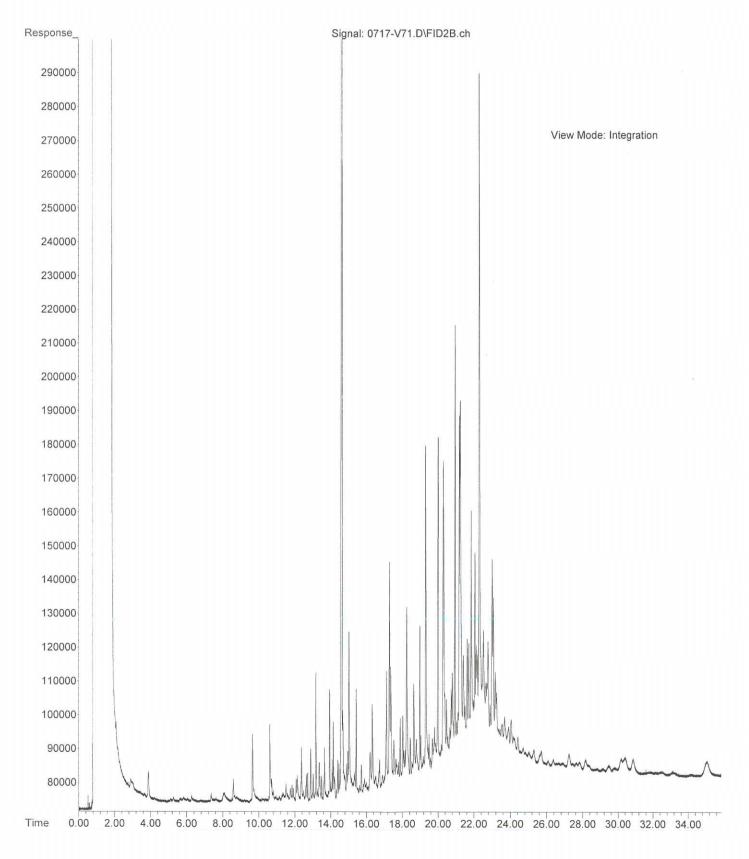
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ND - Not Detected at PQL PQL - Practical Quantitation Limit RPD - Relative Percent Difference

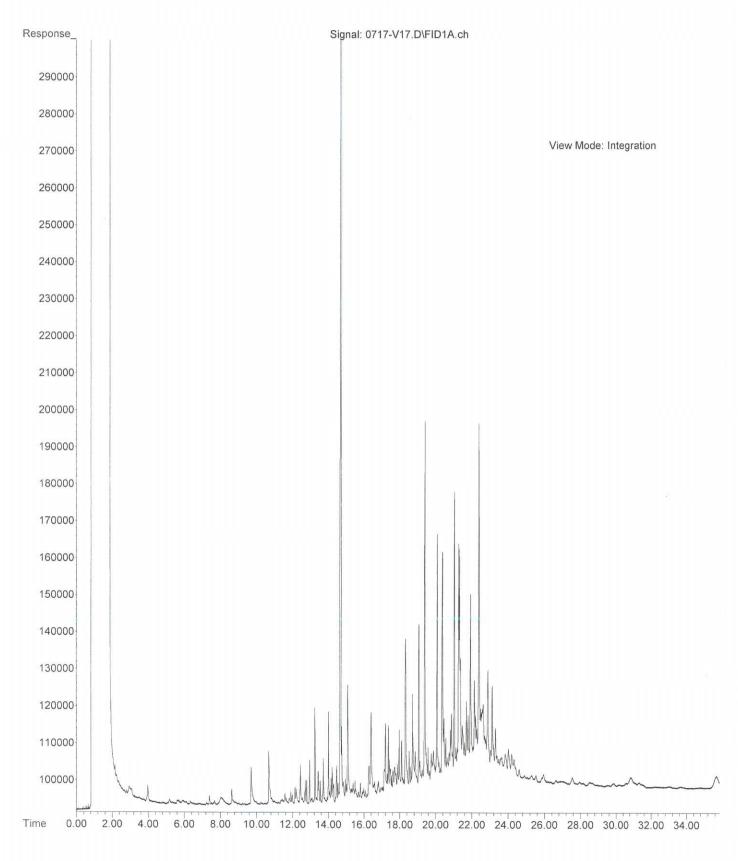
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Reviewed/Date	Received	Relinquished	Received	Relinquished	Received	Relinquished	Sig	10 6510- 5	CSO9.	8 0508-6	1 6507 -	6 6506 -	2 6905 -	4 (2004 -1	6503-	2 6502-5	1 CS01-5W	Lab ID Sample	Carl Call	KON W	Project Manager:	Project Name:	Project Number:	Company:	Analytical Laborato 14648 NE 95th S	Environ
			-	ŀ			Signature	55	S S	S.L	Ø	52	SW	55	SW	SW	2	Sample Identification		ACONER	110WA-	12-01	6	Phone: (425) 883-3881 • www.onsite-env.com	Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052	OnSite Environmental Inc.
Reviewed/Date					1 are	babyline	Company	1 1110 1	1100	1055	1045	1035	1025	1070	Isaal	1 0955 1	7/16/13 0945 SOIL	Date Time Sampled Sampled Matrix	(other)		(TPH analysis 5 Days)	📃 🔁 2 Days 🔲 3 Days	Same Day 1 Day	(Check One)	Turnaround Request (in working days)	Chain (
					7/16/13 15	ers 2/16/13 15	Date Time	-		-	7					-	-	Numb NWTP NWTP NWTP	H-HCII H-Gx/E H-Gx	D BTEX					Laboratory Nur	of Custody
Chromatograms with final report					UT (	HS (X) Added	Comments/Special Instructions											Semivo (with lo PAHs & PCBs & Organo	olatiles w-leve 3270D/ 3082A ochlorir phosph	8270E I PAHs SIM (Id ne Pes norus P		081B 8270D/			umber:	
report						7/18/15.DB(	tructions			1	-		-	7	+	+	1	TCLP I	Vietals		MTCA M		circle one	e)	0	Page
						I day TAT)		E									8	% Moi	sture						7-116	of 2

Reviewed/Date	Received	Relinquished	Received	Relinquished	Received	Relinquished	Signature	20 (520-33	BI- 10102 181	18 64 8 18	51-F122 M	16 (510 - (3	15 6515-6	14 6514 -52	MS- 512 81	12 CS12-5W	11 CS11-SW	Lab ID Sample Identification	Car Chagares	ADGODEN NAGODEN	Project Manager	0140-292-01	Project Number:	Phone: (425) 883-3881 • www.onsite-env.com	Analytical Laboratory Testing Services 14648 NE 95th Street   Redmond, WA 98052	OnSite Environmental Inc.
Reviewed/Date Data Package: Level III  Level IV					1 (02)-	bestigues	Company	1240	123	1223	1212	1157	1145	11/25	1130	1 1125	7/14/13 1115 5011 1	Date Time Sampled Sampled Matrix	(other)	ontain	(TPH analysis 5 Days)	2 Days 3 Days	Same Day 1 Day	(Check One)	Turnaround Request (in working days)	Chain of
Electronic Data Deliverables (EDDs)					7/16/13/545	2/10/13 1545	Date Time	7.	-		-		7	-4	*	4	+	Semivo	H-Gx/E H-Gx H-Dx es 8260 nated	BTEX DC Volatile 8270D		}			Laboratory Number:	of Custody
S)					MHODELT (18 113. 25 CT CASY) 14	And I all silver a fort	Comments/Special Instructions	4			4	×			*	4		PCBs & Organo Organo Chlorin Total	3270D/ 3082A ochlorir phosph ated A CRA Metals bil and	SIM (lo ne Pest norus Pe cid Her letals/ grease	) w-level) icides 8( bicides bicides MTCA M ) 1664A	081B 8270D/ 8151A /letals (c	circle one		. 07-116	Page 2 of 2

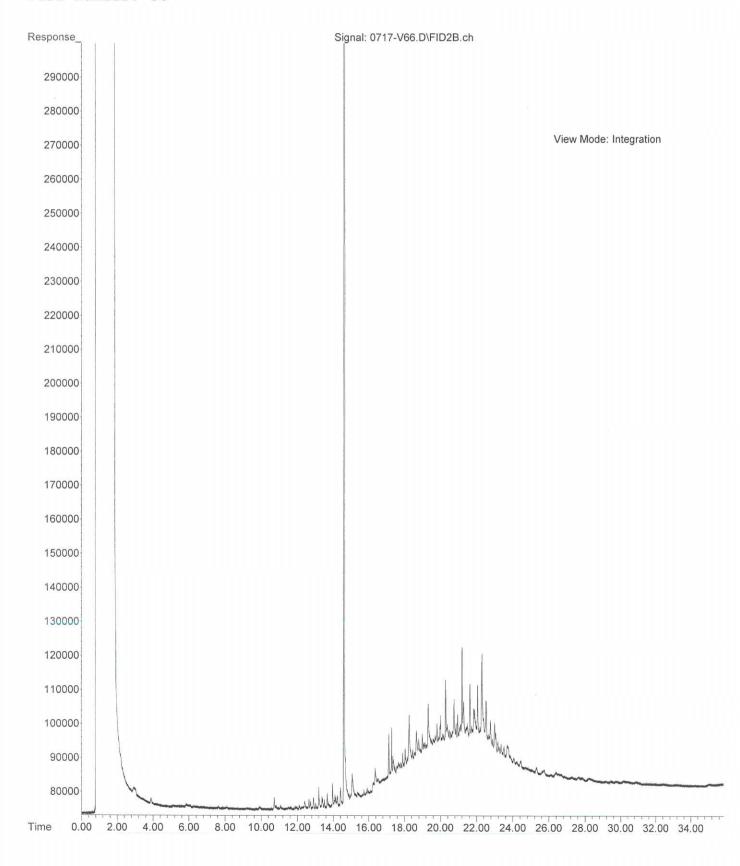
File :C:\msdchem\2\DATA\V130717.SEC\0717-V71.D
Operator :
Acquired : 18 Jul 2013 00:11 using AcqMethod V130618F.M
Instrument : Vigo
Sample Name: 07-116-01
Misc Info :
Vial Number: 71



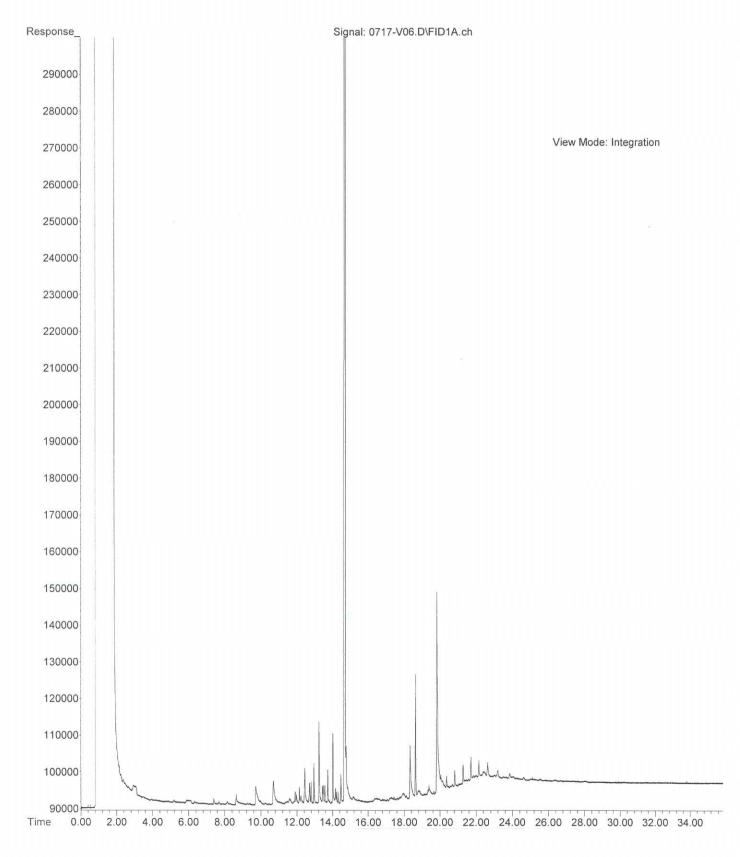
File :C:\msdchem\2\DATA\V130717\0717-V17.D
Operator :
Acquired : 17 Jul 2013 21:27 using AcqMethod V130618F.M
Instrument : Vigo
Sample Name: 07-116-02
Misc Info :
Vial Number: 17



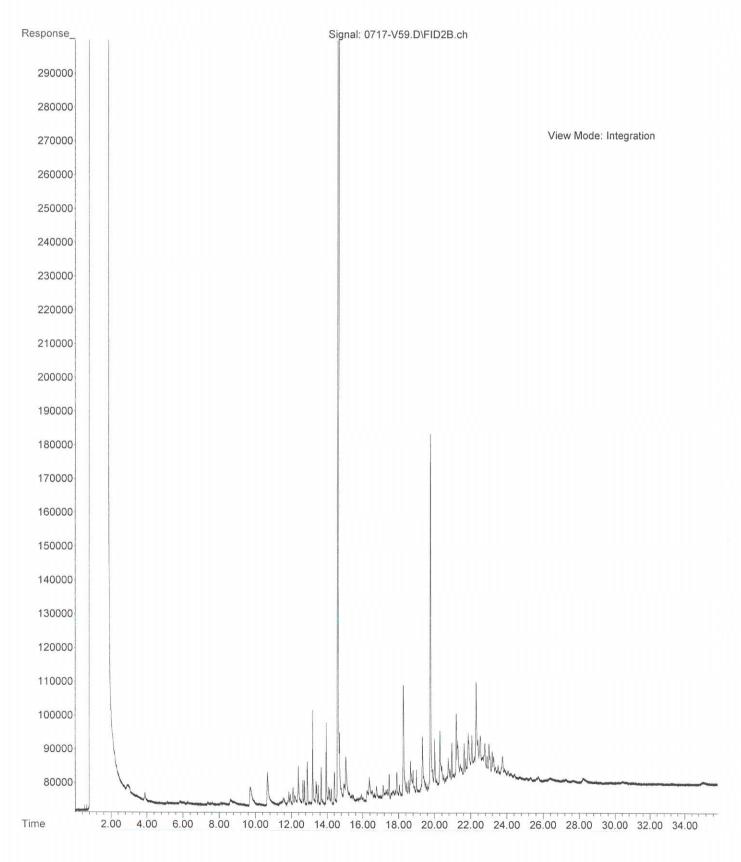
File :C:\msdchem\2\DATA\V130717.SEC\0717-V66.D
Operator :
Acquired : 17 Jul 2013 20:45 using AcqMethod V130618F.M
Instrument : Vigo
Sample Name: 07-116-03
Misc Info :
Vial Number: 66



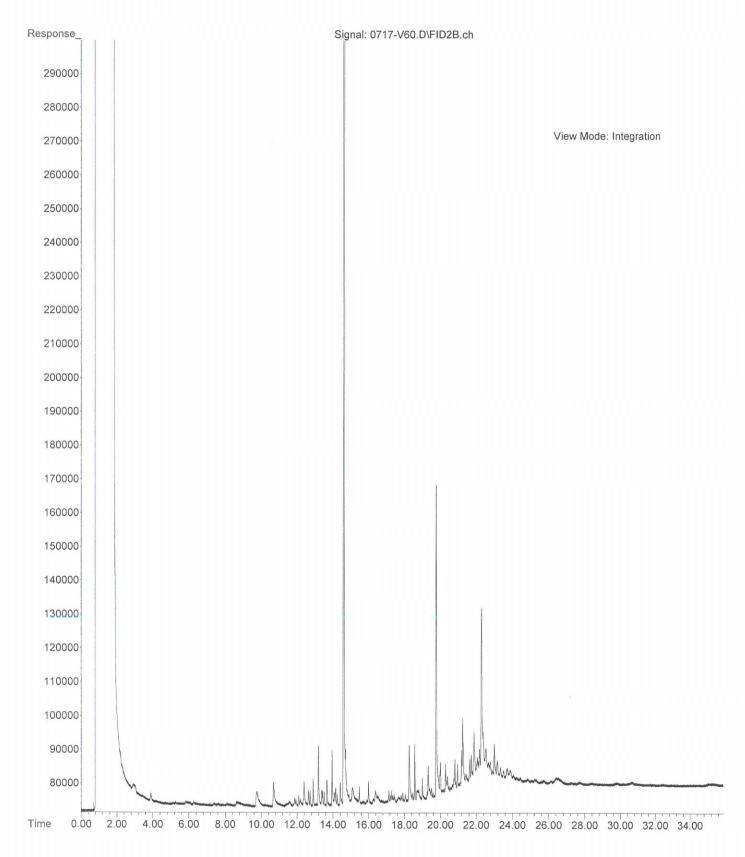
File :C:\msdchem\2\DATA\V130717\0717-V06.D
Operator :
Acquired : 17 Jul 2013 13:54 using AcqMethod V130618F.M
Instrument : Vigo
Sample Name: 07-116-04
Misc Info :
Vial Number: 6



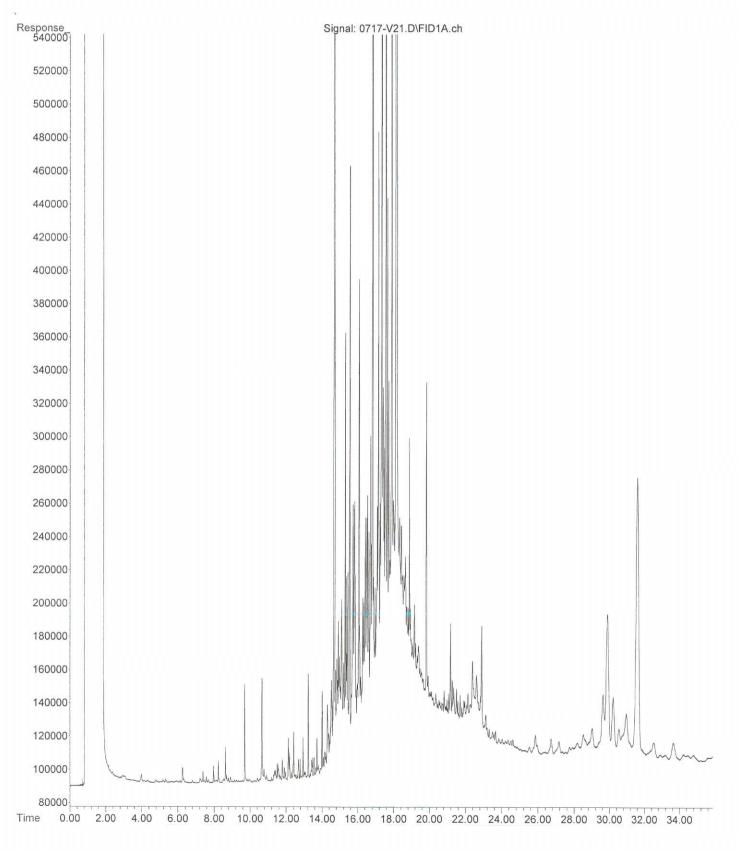
File :C:\msdchem\2\DATA\V130717.SEC\0717-V59.D
Operator :
Acquired : 17 Jul 2013 15:57 using AcqMethod V130618F.M
Instrument : Vigo
Sample Name: 07-116-05
Misc Info :
Vial Number: 59



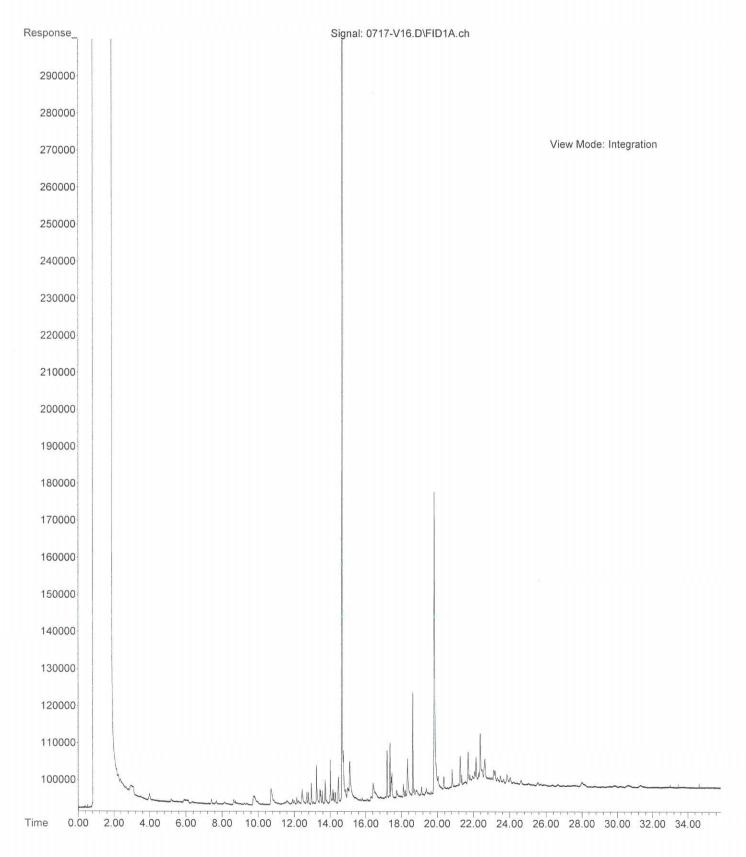
File :C:\msdchem\2\DATA\V130717.SEC\0717-V60.D
Operator :
Acquired : 17 Jul 2013 16:38 using AcqMethod V130618F.M
Instrument : Vigo
Sample Name: 07-116-06
Misc Info :
Vial Number: 60



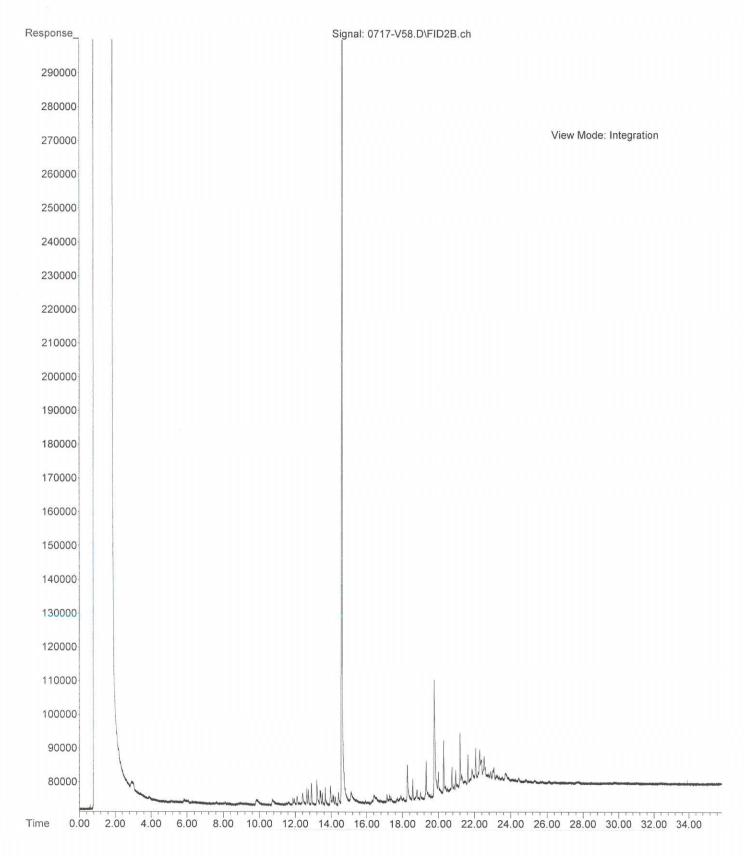




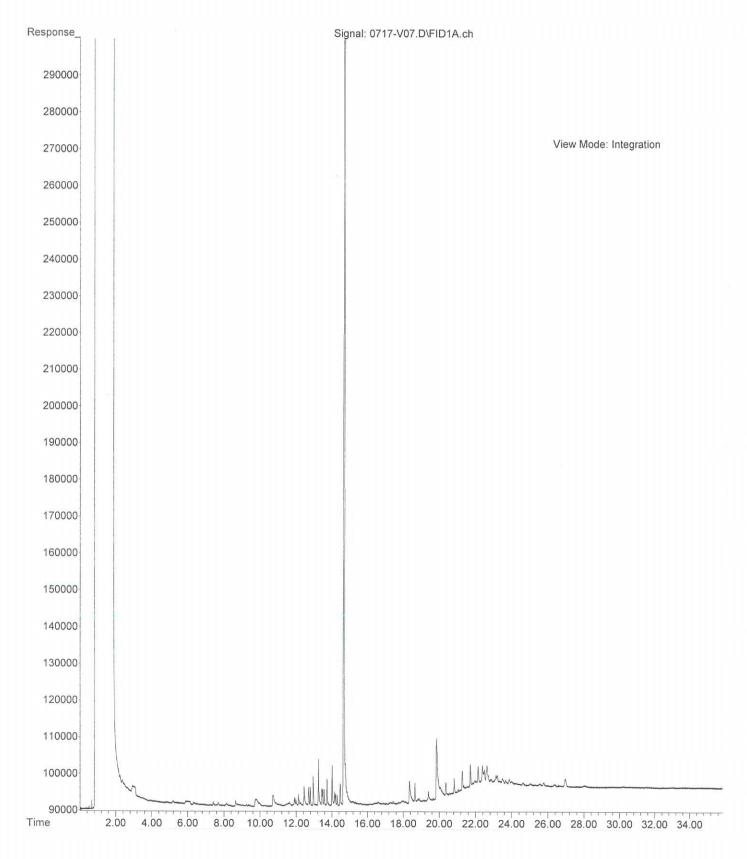
File :C:\msdchem\2\DATA\V130717\0717-V16.D
Operator :
Acquired : 17 Jul 2013 20:45 using AcqMethod V130618F.M
Instrument : Vigo
Sample Name: 07-116-08
Misc Info :
Vial Number: 16



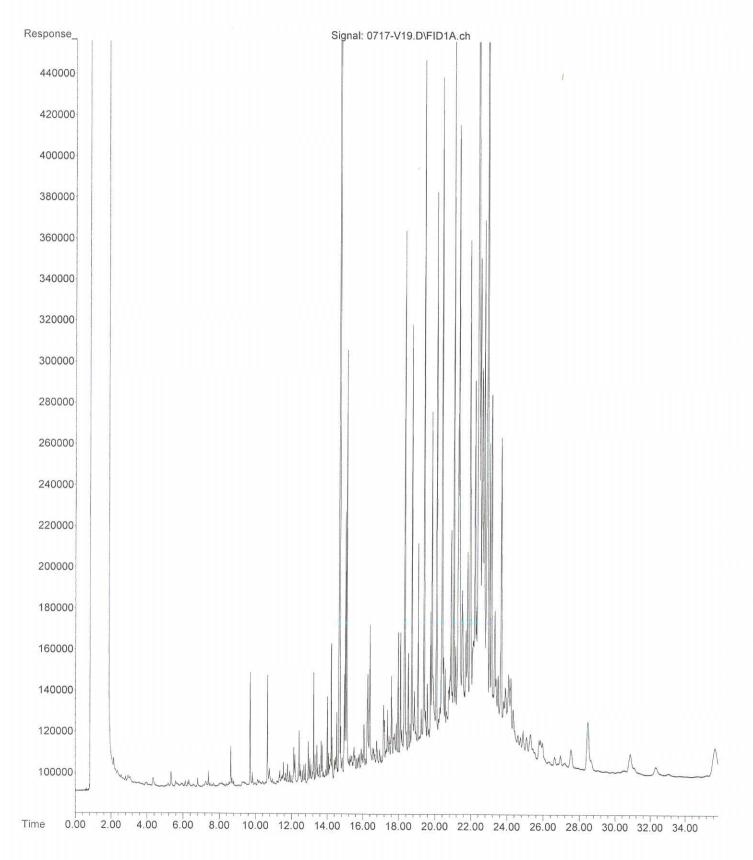
File :C:\msdchem\2\DATA\V130717.SEC\0717-V58.D
Operator :
Acquired : 17 Jul 2013 15:16 using AcqMethod V130618F.M
Instrument : Vigo
Sample Name: 07-116-09
Misc Info :
Vial Number: 58



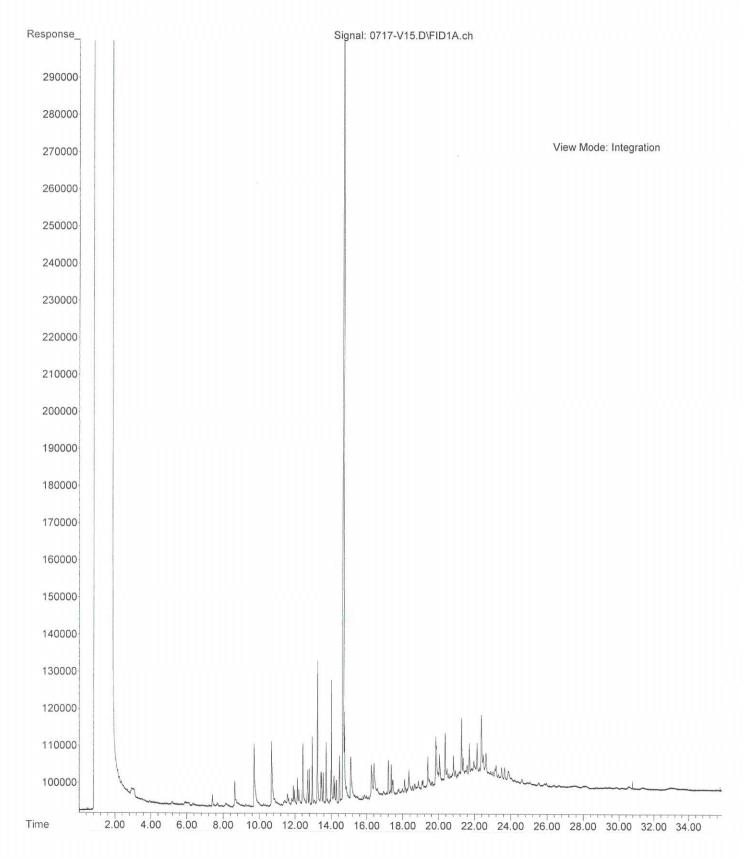
File	:C:\msdchem\2\DATA\V130717\0717-V07.D											
Operator	:											
Acquired	: 17 Jul 2013 14:35 using AcqMethod V130618F.M											
Instrument	: Vigo											
Sample Name	: 07-116-10											
Misc Info	:											
Vial Number	: 7											



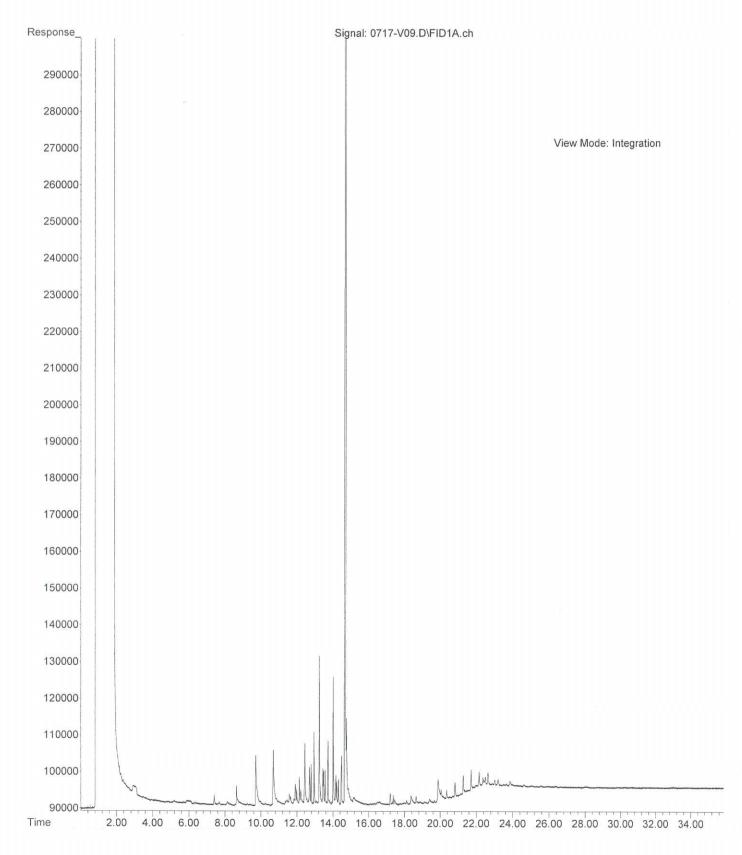
File :C:\msdchem\2\DATA\V130717\0717-V19.D
Operator :
Acquired : 17 Jul 2013 22:49 using AcqMethod V130618F.M
Instrument : Vigo
Sample Name: 07-116-11
Misc Info :
Vial Number: 19



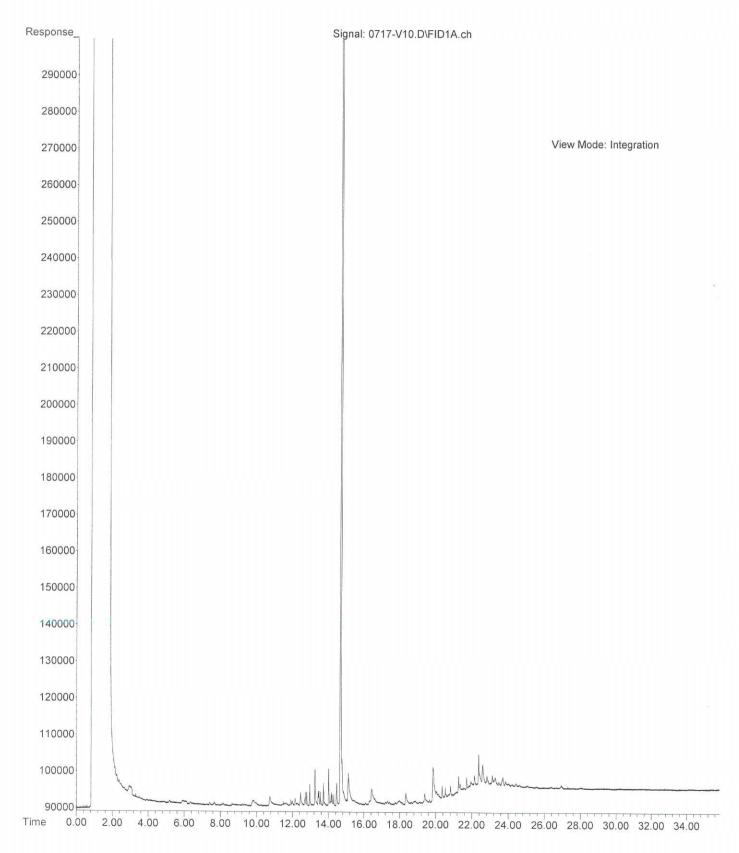
File :C:\msdchem\2\DATA\V130717\0717-V15.D Operator : Acquired : 17 Jul 2013 20:04 using AcqMethod V130618F.M Instrument : Vigo Sample Name: 07-116-12 Misc Info : Vial Number: 15



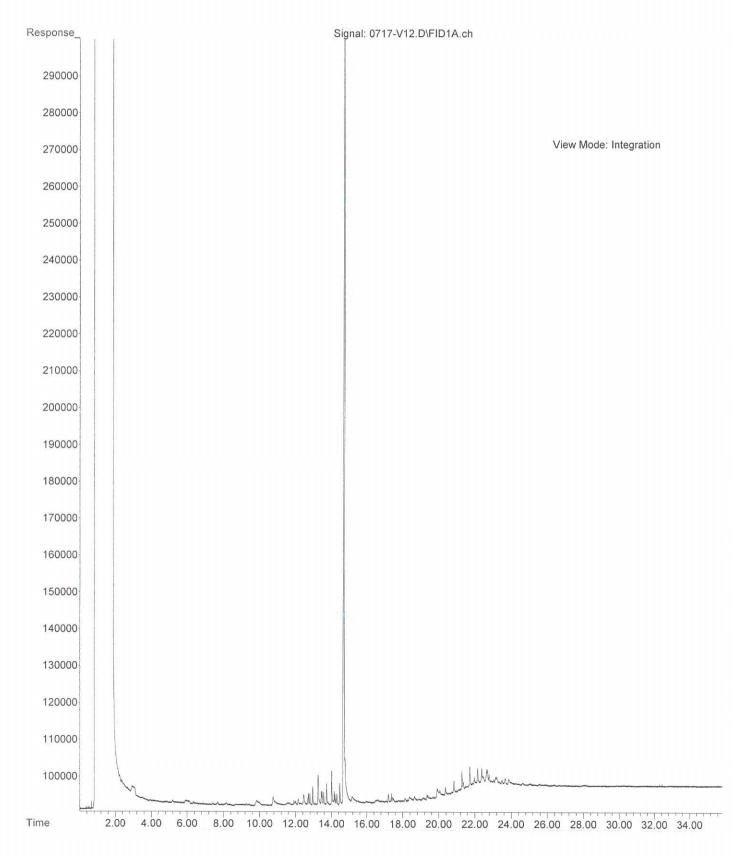
File :C:\msdchem\2\DATA\V130717\0717-V09.D Operator : Acquired : 17 Jul 2013 15:57 using AcqMethod V130618F.M Instrument : Vigo Sample Name: 07-116-13 Misc Info : Vial Number: 9



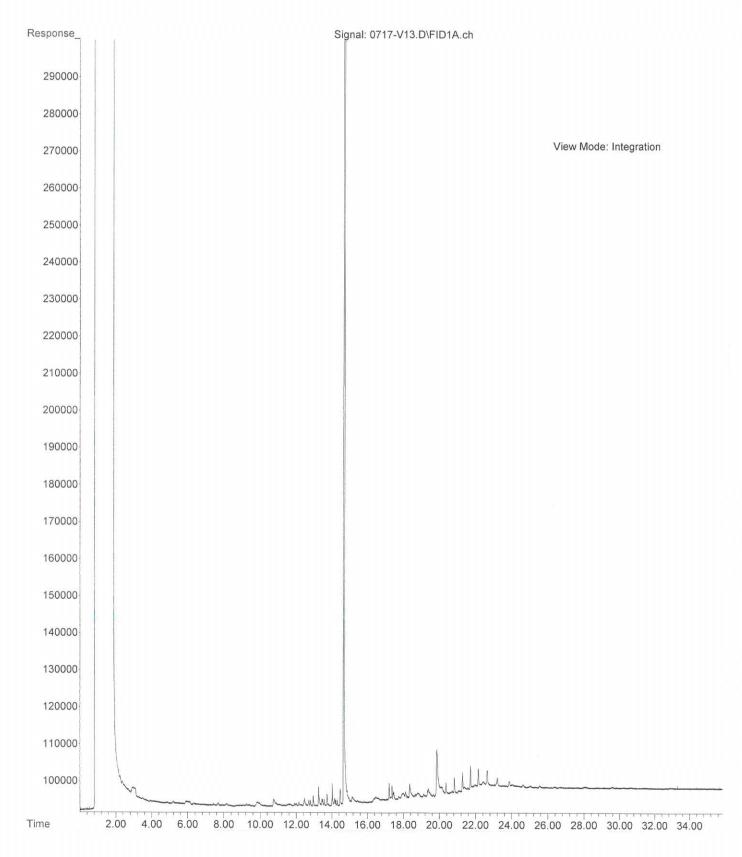
File :C:\msdchem\2\DATA\V130717\0717-V10.D Operator : Acquired : 17 Jul 2013 16:38 using AcqMethod V130618F.M Instrument : Vigo Sample Name: 07-116-14 Misc Info : Vial Number: 10



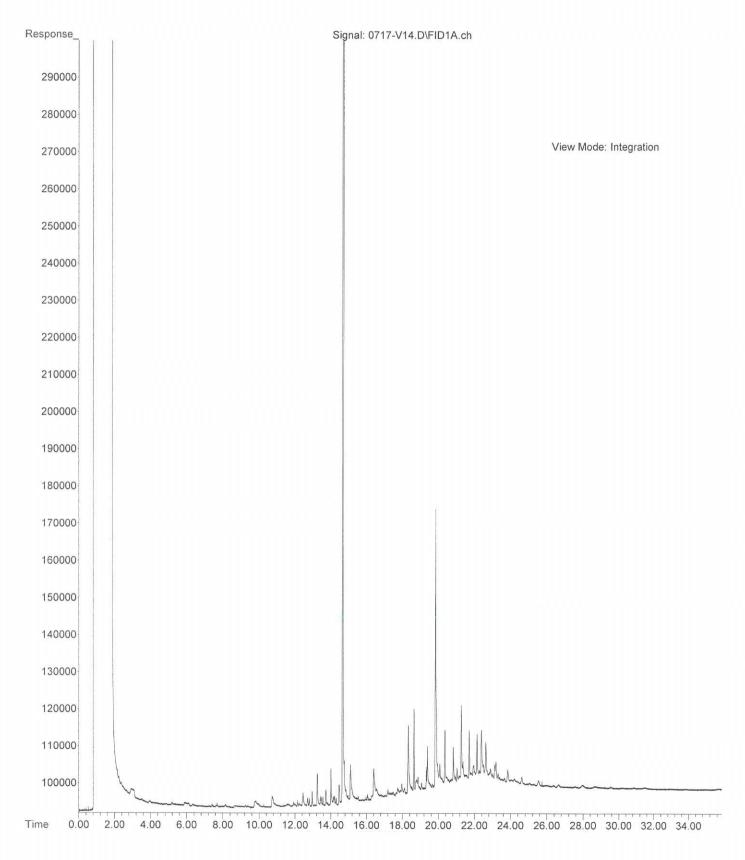
File :C:\msdchem\2\DATA\V130717\0717-V12.D
Operator :
Acquired : 17 Jul 2013 18:01 using AcqMethod V130618F.M
Instrument : Vigo
Sample Name: 07-116-15
Misc Info :
Vial Number: 12



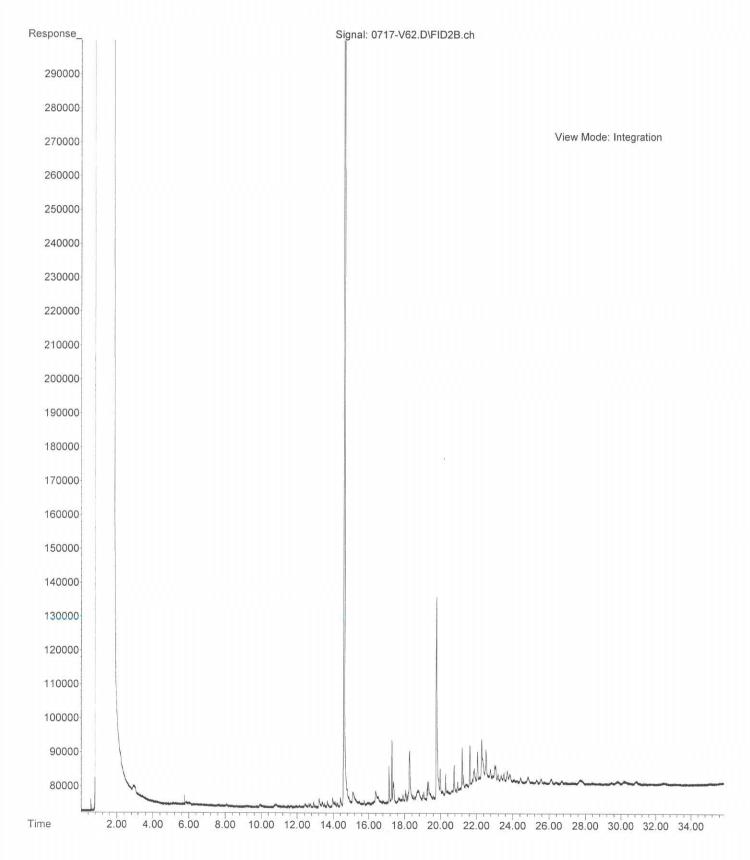
File :C:\msdchem\2\DATA\V130717\0717-V13.D Operator : Acquired : 17 Jul 2013 18:42 using AcqMethod V130618F.M Instrument : Vigo Sample Name: 07-116-16 Misc Info : Vial Number: 13



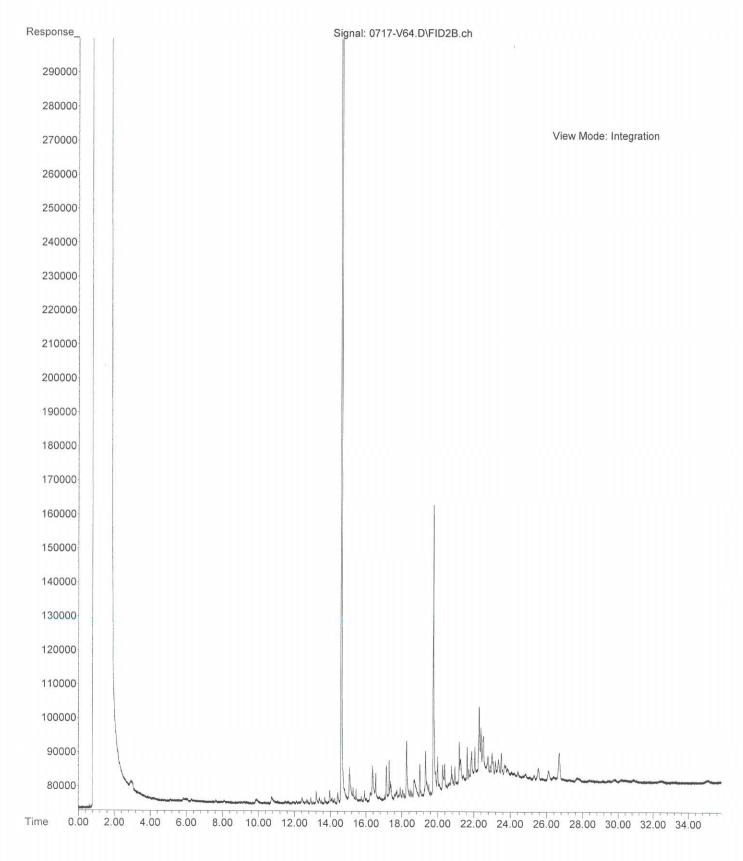
File :C:\msdchem\2\DATA\V130717\0717-V14.D Operator : Acquired : 17 Jul 2013 19:23 using AcqMethod V130618F.M Instrument : Vigo Sample Name: 07-116-17 Misc Info : Vial Number: 14



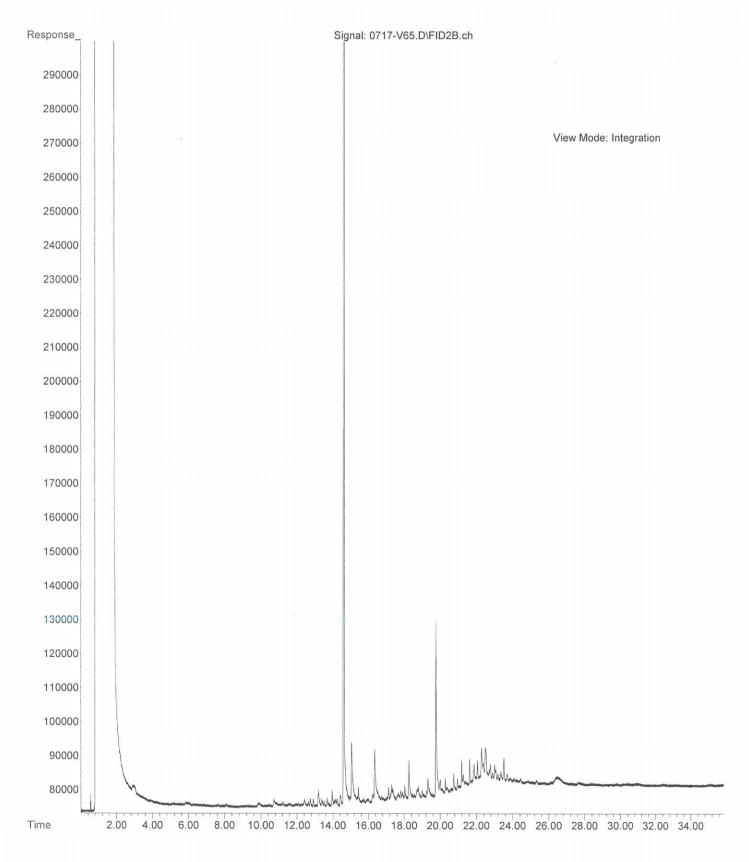
File :C:\msdchem\2\DATA\V130717.SEC\0717-V62.D
Operator :
Acquired : 17 Jul 2013 18:01 using AcqMethod V130618F.M
Instrument : Vigo
Sample Name: 07-116-18
Misc Info :
Vial Number: 62

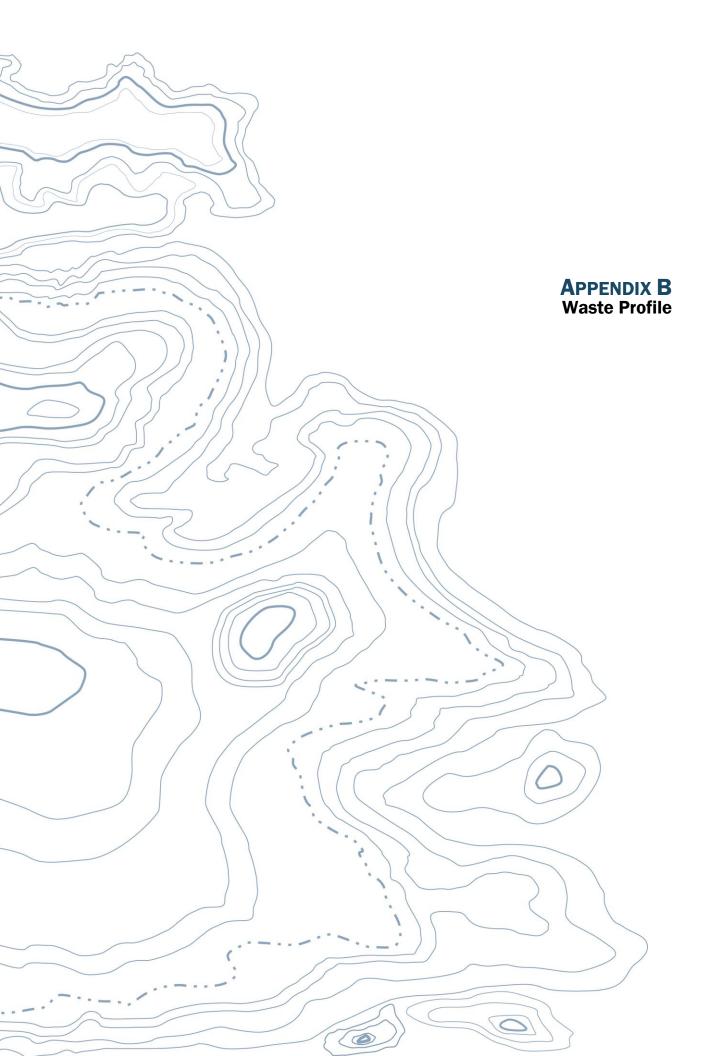


File :C:\msdchem\2\DATA\V130717.SEC\0717-V64.D
Operator :
Acquired : 17 Jul 2013 19:23 using AcqMethod V130618F.M
Instrument : Vigo
Sample Name: 07-116-19
Misc Info :
Vial Number: 64



File :C:\msdchem\2\DATA\V130717.SEC\0717-V65.D
Operator :
Acquired : 17 Jul 2013 20:04 using AcqMethod V130618F.M
Instrument : Vigo
Sample Name: 07-116-20
Misc Info :
Vial Number: 65





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## EZ Profile™<sup>#</sup>

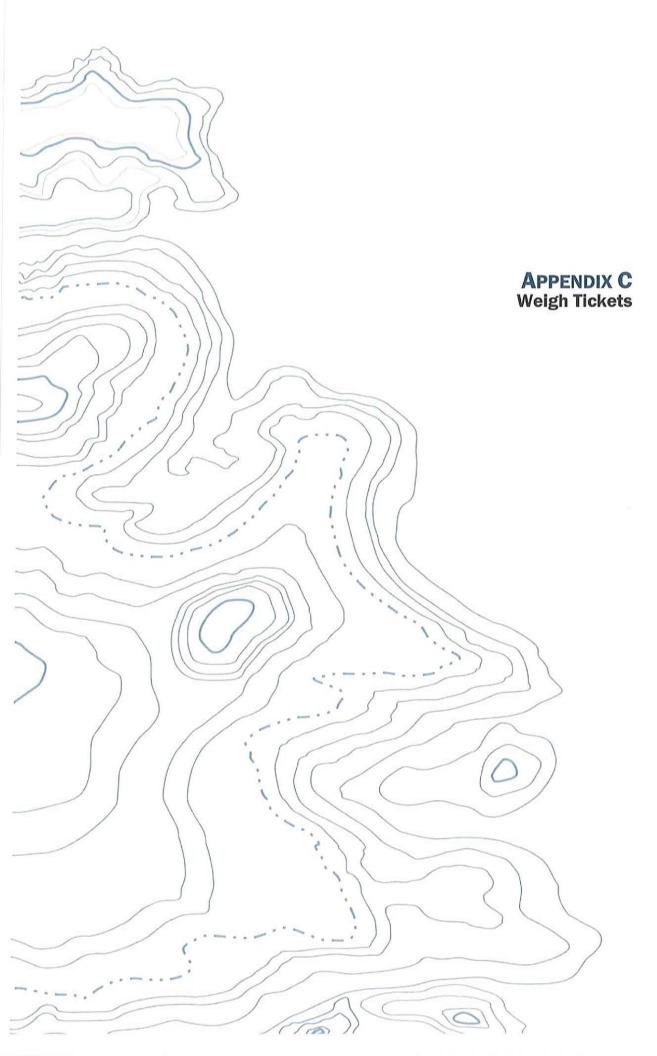
Requested Facility:	COD Renewal? Original Profile Number:		
lacksquare Check if there are multiple generator locations. Attach locations.			
A. GENERATOR INFORMATION (MATERIAL ORIGIN)	B. BILLING INFORMATION	RATOR	
1. Generator Name:	1. Billing Name:		
2. Site Address:	2. Billing Address:		
(City, State, ZIP)	(City, State, ZIP)		
3. County:	3. Contact Name:		
4. Contact Name:	4. Email:		
5. Email:	5. Phone: 6. Fax:		
6. Phone: 7. Fax:	7. WM Hauled?	🗖 No	
8. Generator EPA ID: N/A	8. P.O. Number:		
9. State ID:			
C. MATERIAL INFORMATION	D. REGULATORY INFORMATION		
1. Common Name:	1. EPA Hazardous Waste?	🗖 No	
Describe Process Generating Material:	Code:		
	2. State Hazardous Waste?	🗖 No	
	3. Is this material non-hazardous due to Treatment, Delisting, or an Exclusion?	🗖 No	
	4. Contains Underlying Hazardous Constituents?		
2. Material Composition and Contaminants:	5. Contains benzene <b>and</b> subject to Benzene NESHAP?  Yes*		
1.	6. Facility remediation subject to 40 CFR 63 GGGGG?		
2.	7. CERCLA or State-mandated clean-up?	🛛 No	
3.	8. NRC or State-regulated radioactive or NORM waste? 🛛 Yes*	🗖 No	
4.	*If Yes, see Addendum (page 2) for additional questions and s	space.	
≥100%           3. State Waste Codes:         □ N/A	9. Contains PCBs? $\rightarrow$ If Yes, answer a, b and c. $\Box$ Yes	🛛 No	
	a. Regulated by 40 CFR 761?	🗖 No	
4. Color:	b. Remediation under 40 CFR 761.61 (a)?	🗖 No	
5. Physical State at 70°F: Solid Liquid Other:	c. Were PCB imported into the US? $\hfill \Box$ Yes	🗖 No	
6. Free Liquid Range Percentage: to	10. Regulated and/or Untreated	🗖 No	
7. pH: to N/A (Solid)	Medical/Infectious Waste?		
8. Strong Odor: Yes No Describe:			
9. Flash Point: □ <140°F □ 140°−199°F □ ≥200° □ N/A (Solid)	$\rightarrow$ If Yes: $\Box$ Non-Friable $\Box$ Non-Friable – Regulated $\Box$ I	Friadle	
E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION	F. SHIPPING AND DOT INFORMATION		
1. Analytical attached	1. 🗖 One-Time Event 🛛 Repeat Event/Ongoing Business		
Please identify applicable samples and/or lab reports:	2. Estimated Quantity/Unit of Measure:		
	🗖 Tons 🗖 Yards 🗖 Drums 🗖 Gallons 🗖 Other:		
	3. Container Type and Size:		
	4. USDOT Proper Shipping Name:	🗖 N/A	
2. Other information attached (such as MSDS)?			

#### G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this EZ Profile™ form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to Waste Management prior to providing the material to Waste Management.

If I am an agent signing on behalf of the Generator, I have confirmed with the Generator that information contained in this Profile is accurate and complete.				
Name (Print):	Date:			
Title:				
Company:				

Certification Signature		



7/8/13 PG 1

#### North Mason Fiber

Have a Nice Day

North Mason Fiber

Have a Nice Day

North Mason Fiber Ticket : 23139 Load No : 107933wa Date Out : 7/8/2013 4:12:36 PM Truck : WOOD HAWK Gross : 103,000 Tare : 41,480 Net : 61,520 Tons : 30.76 Yards : 0 Product : DIRTY DIRT Delivered To : NORTH MASON FIBER Supplier : ALL Customer : SCARCELLA BROS Scaler : KS

#### Have a Nice Day



#### North Mason Fiber

Ticket	:	23135
Load No	:	107933wa
Date Out	:	7/8/2013 3:23:32 PM
Truck	:	LAKESIDE-20064
Gross	:	89,700
Tare	:	36,500
Net		53,200
Tons	:	26.60
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
		ALL
Customer	:	SCARCELLA BROS
Scaler		KS

#### Have a Nice Day

North Mason Fiber

Ticket	: 23138
Load No	: 107933wa
Date Out	: 7/8/2013 3:50:45 PM
Truck	: JORDAN EXCAV-9
Gross	: 95,000
Tare	: 39,300
Net	: 55,700
Tons	: 27.85
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

Have a Nice Day

#### North Mason Fiber

Ticket	:	23134
Load No	:	107933wa
Date Out	:	7/8/2013 3:20:21 PM
Truck	:	LAKESIDE-20053
Gross	:	88,260
Tare-	:	36,460
Net	:	51,800
Tons	:	25.90
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

## 7/8/13 PGZ

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#### North Mason Fiber

#### Have a Nice Day

North	Mason	Fiber
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Ticket	: 23127
Load No	: 107933wa
Date Out	: 7/8/2013 11:46:34 AM
Truck	: LAKESIDE-20384
Gross	: 95,800
Tare	: 38,700
Net	: 57,100
Tons	: 28.55
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

#### North Mason Fiber

#### Have a Nice Day

#### North Mason Fiber

Ticket	:	23126
Load No	:	107933wa
Date Out	:	7/8/2013
Truck	:	LAKESIDE-20064
Gross	:	78,640
Tare	:	36,500
Net	:	42,140
Tons	:	21.07
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

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#### North Mason Fiber

#### Have a Nice Day

#### North Mason Fiber

Ticket		23124
Load No	:	107933wa
Date Out	:	7/8/2013 11:41:24 AM
Truck	:	LAKESIDE-20040
Gross	:	86,420
Tare .	:	36,280
Net	:	50,140
Tons	:	25.07
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS



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Ticket Load No	: 23119 : 107933WA
Date Out	: 7/8/2013 9:35:11 AM
Truck	: LAKESIDE-20044
Gross	: 89,220
Tare	/: 36,580
Net	: 52,640
Tons	: 26.32 🗸
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

Have a Nice Day

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#### North Mason Fiber

Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered To Supplier Customer		DIRTY DIRT NORTH MASON FIBER ALL SCARCELLA BROS
Customer Scaler	:	SCARCELLA BROS KS

#### Have a Nice Day

North Mason Fiber

:	23112
:	107933WA
:	7/8/2013
:	LAKESIDE-20384
:	90,860
:	38,700
:	52,160
:	26.08
:	0
:	DIRTY DIRT
	NORTH MASON FIBER
	ALL
:	SCARCELLA BROS
·	KS

Have a Nice Day

> North Mason Fiber

: 23113
: 107933WA
: 7/8/2013
: JORDAN EXCAV-9
: 87,140
: 39,300
: 47,840
: 23.92
: 0
: DIRTY DIRT
: NORTH MASON FIBER
: ALL
: SCARCELLA BROS
: KS

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Have a Nice Day

North Mason Fiber

Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered To Supplier	: 23110 : 107933WA : 7/8/2013 : LAKESIDE-20040 : 89,660 : 36,280 : 53,380 : 26.69 : 0 : DIRTY DIRT : NORTH MASON FIBER : ALL
Customer	: SCARCELLA BROS
Scaler	: KS

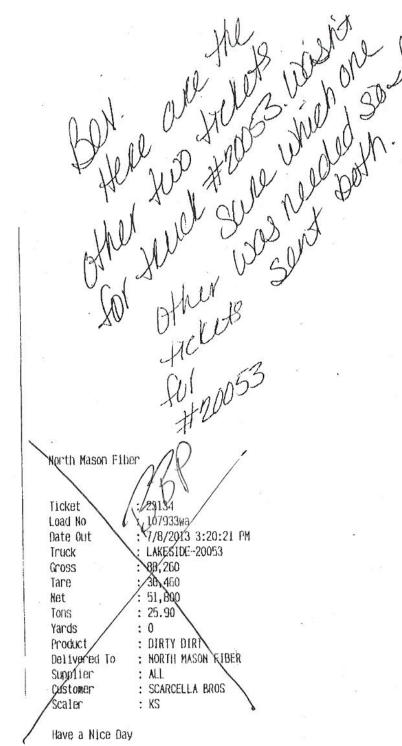
# 7/8/13 76,4

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North Mason Fiber

Ticket	: 23109
Load No	: 107933WA
Date Out	: 7/8/2013
Truck	: LAKESIDE-20064
Gross	: 88,460
Tare	: 36,500
Net	: 51,960
Tons	: 25.98
Yards	:0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

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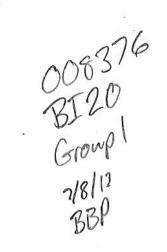
PG 5 7/8/13

008376 BI 20 Groupi

North Mason Fiber

2/8/13 BBP Ticket : 23123 Load No : 107933wa Date Out : 7/8/2013 11:38:22 AM Truck : LAKESIDE-20053 Gross : 90,700 Tare : 36,460 : 54,240 Net : 27.12 Tons Yards : 0 Product : DIRTY DIRT Delivered To : NORTH MASON FIBER Supplier : ALL Customer : SCARCELLA BROS Scaler : KS

## 7/8/13 PG6



#### North Mason Fiber

Ticket	: 23107
Load No	: 107933WA
Date Out	: 7/8/2013
Truck	: LAKESIDE-20053
Gross	: 87,960
Tare	: 36,460
Net	: 51,500
Tons	: 25.75
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

#### North Mason Fiber

Ticket	: 23108
Load No	: 107933WA
Date Out	: 7/8/2013
Truck	: LAKESIDE-20045
Gross	: 85,960
Tare	: 35,100
Net	: 50,860
Tons	: 25.43 -
Yands	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

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Have a Nice Day

7/8/13 PG 7

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图 002

07/26/2013 10:

North Mason Fiber

Ticket Load No	: 23132 : 107933wa	Ticket Load No	: 23121 : 107933wa
Clate Out	7/8/2013 1:10:50 PM	C Date Out	7/8/2013 11:29:11 AM
Truck	: LAGESIDE-20044	Truck	: LAKESIDE-20045
Gross	: \21,400	Gross	: 78,400
Tare	36,580	Tare	: 35,100
Net	0: 44,820	Net	: 43,300
Tons	1:\\$2.41	Tons	: 21.65
Yards DI	60/6	Yards	: 0
Product	GIRTY DIRT	Product	: DIRTY DIRT
Deliveried To,	P : NORTH MASON FIBER	Delivered To	: NORTH MASON FIBER
Supplier 1	S : ALL	Supplier	: ALL
Customer	: SCARCELLA BROS	Customer	: SCARCELLA BROS
Scaler	: KS	Scaler	: KS

Have a Nice Day

## 717113 131

North Mason Fiber

Have a Nice Day

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North Mason Fiber

Load No : 107933WA Date Out : 7/9/2013 3:08:24 PM Truck : LAKESIDE-20053 Gross : 80,680 Tare : 36,460 Net : 44,220 Tons : 22.11 Yards : 0 Product : DIRTY DIRT Delivered To : NORTH MASON FIBER Supplier : ALL	Ticket	:	23171
Truck: LAKESIDE-20053Gross: 80,680Tare: 35,460Net: 44,220Tons: 22.11Yards: 0Product: DIRTY DIRTDelivered To: NORTH MASON FIBER	Load No	:	107933WA
Gross: 80,680Tare: 36,460Net: 44,220Tons: 22.11Yards: 0Product: DIRTY DIRTDelivered To: NORTH MASON FIBER	Date Out	:	7/9/2013 3:08:24 PM
Tare: 36,460Net: 44,220Tons: 22.11Yards: 0Product: DIRTY DIRTDelivered To: NORTH MASON FIBER	Truck	:	LAKESIDE-20053
Net: 44,220Tons: 22.11Yards: 0Product: DIRTY DIRTDelivered To: NORTH MASON FIBER	Gross	:	80,680
Tons: 22.11Yards: 0Product: DIRTY DIRTDelivered To: NORTH MASON FIBER	Tare	:	36,460
Yards : O Product : DIRTY DIRT Delivered To : NORTH MASON FIBER	Net	:	44,220
Product : DIRTY DIRT Delivered To : NORTH MASON FIBER	Tons	:	22.11
Delivered To : NORTH MASON FIBER	Yards	;	0
	Product	:	DIRTY DIRT
Supplier : ALL	Delivered To	:	NORTH MASON FIBER
	Supplier	:	ALL
Customer : SCARCELLA BROS	Customer	:	SCARCELLA BROS
Scaler : KS	Scaler	:	KS

North Mason Fiber

#### Have a Nice Day



North Mason Fiber

Ticket	: 23170
Load No	
Date Out	: 7/9/2013 3:06:25 PM
Truck	: LAKESIDE-20040
Gross	: 84,740
Tare	: 36,280
Net	: 48,460
Tons	: 24.23
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

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#### North Mason Fiber

Have a Nice Day

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#### North Mason Fiber

Ticket	: 23169
Load No	: 107933WA
Date Out	: 7/9/2013 3:03:37 PM
Truck	: LAKESIDE-20045
Gross	: 81,180
Tare •	: 35,100
Net	: 46,080
Tons	: 23.04
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

## 714113 FG 2

North Mason Fiber

Have a Nice Day

#### North Mason Fiber

Ticket Load No	: 23161 : 107933WA
Date Out	: 7/9/2013 11:40:57 AM
Truck	: JORDAN EXCAV-9
Gross	: 84,460
Tare	: 39,300
Net	: 45,160
Tons	: 22.58
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

Ć	North Mason Fib	er	068376 BI 20 Group 7/9/13 BBP
	Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered To Supplier Customer Scaler		23167 7/9/2013 LAKESIDE-20044 84,080 36,580 47,500 23.75 0 DIRTY DIRT NORTH MASON FIBER ALL SCARCELLA BROS KS

Have a Nice Day

(2000) (2000) North Mason Fiber

Have a Nice Day

#### North Mason Fiber

Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered To Supplier Customer Scaler	: 23160 : 107933WA : 7/9/2013 11:33:55 / : LAKESIDE-20053 : 85,920 : 36,460 : 49,460 : 24.73 : 0 : DIRTY DIRT : NORTH MASON FIBER : ALL : SCARCELLA BROS : KS	١M
--	--	----

Ticket	:	23158
Load No	:	107933wa
Date Out	:	7/9/2013 11:28:30 AM
Truck	:	LAKESIDE-20045
Gross	:	78,160
Tare	:	35,100
Net	:	43,060
Tons	:	21.53
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

Have a Nice Day

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North Mason Fiber

Ticket	••	23155
Load No	۰.	107933wa
Date Out	••	7/9/2013 11:12:03 AM
Truck	••	LAKESIDE-20044
Gross	••	84,120
Tare	•••	36,580
Net	••	47,540 🗸
Tons	••	23.77 🗸
Yards	••	0
Product	••	DIRTY DIRT
Delivered To	••	NORTH MASON FIBER
Supplier	•••	ALL
Customer	••	SCARCELLA BROS
Scaler	• •	KS .
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Have a Nice Day

Have a Nice Day

Ticket

Load No

Date Out

Truck Gross

Tare

Net

Tons

Yards

Product

Supplier

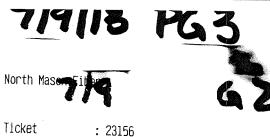
Customer

Scaler

Delivered To

#### North Mason Fiber

Have a Nice Day



: 7/9/2013 11:15:56 AM : LAKESIDE-20054

: 107933wa

: 82,260

: 35,660

: 45,600

: 22.80

: DIRTY DIRT

: NORTH MASON FIBER

: SCARCELLA BROS : KS

: 0

: ALL

North Mason Fiber

Ticket	: 23157
Load No	: 107933WA
Date Out	: 7/9/2013 11:24:55 AM
Truck	: LAKESIDE-20040
Gross	: 83,880
Tare	: 36,280
Net	: 47,600
Tons	: 23.80
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Customer	: SCARCELLA BROS
Scaler	: KS

## 719113 764

North Mason Fiber

#### Have a Nice Day

#### North Mason Fiber

Ticket       : 23146         Load No       : 107933WA         Date Out       : 7/9/2013 8:03:14 AM         Truck       : LAKESIDE-20045         Gross       : 85,020         Tare       : 35,100         Net       : 49,920         Tons       : 24.96         Yards       : 0         Product       : DIRTY DIRT         Delivered To       : NORTH MASON FIBER         Supplier       : ALL         Customer       : SCARCELLA BROS         Scaler       : KS
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#### Have a Nice Day

#### North Mason Fiber

Ticket	: 23145	
Load No	: 107933WA	
Date Out	: 7/9/2013 7:57:47 A	М
Truck	: LAKESIDE-20040	
Gross	: 87,500	
Tare	: 36,280	
Net	: 51,220	
Tons	: 25.61	
Yards	: 0	
Product	: DIRTY DIRT	
Delivered To	: NORTH MASON FIBER	
Supplier	: ALL	
Customer	: SCARCELLA BROS	
Scaler	: KS	

#### Have a Nice Day

#### North Mason Fiber

Ticket	:	23144
Load No	•	7 (0 (0010 7 55 01 14
Date Out		7/9/2013 7:56:21 AM
Truck	:	LAKESIDE-20054
Gross	:	82,460
Tare	:	36,660
Net	:	45,800
Tons	:	22.90
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

28376

North Mason Fiber

: 23143 : J07933Ma : J07933Ma : T JE-20044 : T JE-20044 : 55,560 : 55,660 : 56,660 : 55,660 : 55,660 : 56,683 : 56,680 : 50,680 : 50,680	: KS
Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered To Supplier Customer	Scaler

Have a Nice Day

# 7/9/13 PG 5

#### North Mason Fiber

Ticket	: 23142
Load No	: 107933wa
Date Out	: 7/9/2013
Truck	: WOOD HAWK
Gross	: 101,560
Tare	: 41,480
Net	: 60,080
Tons	: 30.04
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

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#### North Mason Fiber

Ticket	: 23150
Load Ho	: 107933WA
Date Out	: 7/9/2013
Truck	: LAKESIDE-20014
Gross	: 86,380
Tare	: 35,380
Net	: 51,000
Tons	: 25.50
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier .	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

#### North Mason Fiber

Ticket	: 23165
Load No	: 107933WA
Date Out	: 7/9/2013 12:22:03 PM
Truck	: LAKESIDE-20014
Gross	: 79,940
Tare	: 35, 380
Net	: 44, 560
Tons	: 22.28
Yards	: 0
Product	: DIRTY DIRT
Dellvered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

PG L

7/9/13

Have a Nice Day

7/10/13 PG 1

Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered To Supplier	45 - <b>4</b>	23219 107933WA 7/10/2013 3:47:58 PM JORDAN EXCAV-9 101,680 39,300 62,380 31.19 0 DIRTY DIRT NORTH MASON FIBER ALL
Supplier	:	ALL
Customer Scaler	:	SCARCELLA BROS KS

Have a Nice Day

North Maton Fib	er
Ticket	: 23216
Load No	: 107933WA
Date Out	: 7/10/2013 3:32:C2 PM
Truck	: LAKESIDE-20053
Gross	: 96,420
Tare	: 36,450
Net	: 59,960
Tons	: 29.98
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

North Mason Fiber

Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered To Supplier Customer	: 23218 : 107933WA : 7/10/2013 3:37:26 PM : LAKESIDE-20044 : 96,680 : 36,580 : 60,100 : 30.05 : 0 : DIRTY DIRT : NORTH MASON FIBER : ALL : SCARCELLA BROS
Supplier Customer	• • • • • • •
Scaler	: KS

#### Have a Nice Day

North Mason Fiber

Ticket : 23215 : 107933WA Load No : 7/10/2013 3:27:35 PM Date Out Truck : LAKESIDE-20040 : 97,200 Gross : 36,280 Tare Net : 60,920 : 30.46 Tons : 0 Yards : DIRTY DIRT Product : NORTH MASON FIBER Delivered To Supplier : ALL : SCARCELLA BROS Customer Scaler : KS

#### Have a Nice Day

North Mason Fiber

Ticket	: 23217
Load No	: 107933
Date Out	: 7/10/2013 3:35:30 PM
Truck	: LAKESIDE-20384
Gross	: 105,240
Tare	: 38,700
Net	: 66,540
Tons	: 33.27
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

Have a Nice Day

North Mason Fiber

Ticket	: 23214
Load No	: 107933WA
Date Out	: 7/10/2013
Truck	: LAKESIDE-20064
Gross	: 93,220
Tare •	: 36,500
Net	: 56,720
Tons	: 28.36
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

## 7/10/13 PG2

#### North Mason Fiber

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Ticket	:	23213
Load No	:	107933WA
Date Out	:	7/10/2013 3:07:06 PM
Truck	:	LAKESIDE-20054
Gross	:	89,660
Tare	:	36,660
Net	:	53,000
Tons	:	26.50
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

#### Have a Nice Day

#### North Mason Fiber

Load No : 107933WA Date Out : 7/10/2013 1:43:37 PM Truck : LAKESIDE-20045
Truck : LAKESIDE-20045
Gross : 86,300
Tare : 35,100
Net : 51,200
Tons : 25.60
Yards : O
Froduct : DIRTY DIRT
Delivered To : NORTH MASON FIBER
Supplier : ALL
Customer : SCARCELLA BROS
Scaler : KS

Have a Nice Day

#### North Mason Fiber

Ticket	:	23212
Load No	:	107933WA
Date Out	:	7/10/2013 2:50:42 PM
Truck	:	WOOD HAWK
Gross	:	101,720
Tare	:	41,480
Net	:	60,240
Tons	:	30.12
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	;	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

#### Have a Nice Day 🐁



Have a Nice Day

Ticket	: 23202
Load No	: 107933WA
Date Out	: 7/10/2013 12:10:56 PM
Truck	: JORDAN EXCAV-9
Gross	: 90,820
Tare	: 39,300
Net	: 51,520
Tons	: 25.76
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

#### North Mason Fiber

Ticket	: 6.10
Load No	: 107933WA
Date Out	: 7/10/2013 2:46:33 PM
Truck	: LAKI SIDE-20211
Gross	: 97,080
Tare	: 39,240
Net	: 57,840
Tons	: 28.92
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

#### Have a Nice Day

#### North Mason Fiber

Ticket	:	23200	
Load No	:	107933WA	
Date Out	:	7/10/2013 12:05:09	PM
Truck	:	LAKESIDE-20053	
Gross	:	82,920	
Tare	:	36,460	
Net	:	46,460	
Tons	:	23.23	
Yards	:	0	
Product	:	DIRTY DIRT	
Delivered To	:	NORTH MASON FIBER	
Supplier	:	ALL	
Customer	:	SCARCELLA BROS	
Scaler	:	KS	

Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered To	 NORTH MASON FIBER
Supplier Customer Scaler	ALL SCARCELLA BROS KS

Have a Nice Day

#### North Mason Fiber

Ticket	:	23195
Load No	:	107933WA
Date Out	:	7/10/2013 11:26:13 AM
Truck	:	LAKESIDE-20064
Gross	:	80,060
Tare 👘	:	36,500
Net	:	43,560
Tons	:	21.78
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

North Mason Fiber

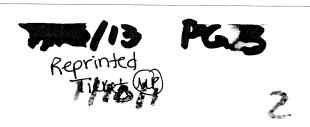
	Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered Supplier Customer Scaler	: : : : : : : : : : : : : : : : : : :	23197 107933WA 7/10/2013 11:41:58 AM LAKESIDE-20384 92,220 38,700 53,520 26.76 0 DIRTY DIRT NORTH MASON FIBER ALL SCARCELLA BROS KS
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#### Have a Nice Day

North Mason Fiber

Date Out: 7/Date Out: 7/Truck: LAGross: 76Tare: 36Net: 39Tons: 19Yards: 0Product: DIDelivered To: NOSupplier: Al	CARCELLA BROS
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Have a Nice Day



North Mason Fiber

Ticket	: 23196
Load No	: 107933WA
Date Out	: 7/10/2013 11:36:22 AM
Truck	: LAKESIDE-20040
Gross	: 87,260
Tare	: 36,280
Net	: 50,980
not	. JU; 500
Tons	: 25.49
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS



Ticket	: 23193
Load No	: 107933WA
Date Out	: 7/10/2013 11:16:19 AM
Truck	: LAKESIDE-20211
Gross	: 85,300
Tare	: 39,240
Net	: 46,060
Tons	: 23.03
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

Have a Nice Day

North Mason Fiber

Ticket	: 23186
Load No	: 107933WA
Date Out	: 7/10/2013 8:31:12 AM
Truck	: LAKESIDE-20053
Gross	: 84,900
Tare	: 35,460
Net	: 48,440
Tons	: 24.22
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCADEELLA PROS
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

Have a Nice Day

North Mason Fiber

Ticket	: 23192
Load No	: 107933WA
Date Out	: 7/10/2013
Truck	: WOOD HAWK
Gross	: 90,960
Tare	: 41,480
Net	: 49,480
Tons	: 24.74
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

#### Hàve a Nice Day



North Mason Fiber

Ticket	: 23185
Load No	: 107933WA
Date Out	: 7/10/2013 8:24:55 AM
Truck	: LAKESIDE-20044
Gross	: 83,720
Tare	: 26,580
Net	: 57,140
Tons	: 28.57
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS
	•

North Mason Fiber

Ticket	: 23187
Load No	: 107933WA
Date Out	: 7/10/2013
Truck	: JORDAN EXCAV-9
Gross	: 85,580
Tare	: 39,300
Net	: 46,280
Tons	: 23.14
Yards	:0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

Have a Nice Day

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North Mason Fiber

Ticket	: 23184
Load No	: 107933WA
Date Out	: 7/10/2013 8:16:16 AM
Truck	: LAKESIDE-20384
Gross	: 85,560
Tare -	: 38,700
Net	: 46,860
Tons	: 23.43
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS



Ticket Load No	:	23183 107933WA
Date Out		7/10/2013 8:13:30 AM
Truck	:	LAKESIDE-20040
Gross	:	87,240
Tare	:	36,280
Net	:	50,960
Tons	:	25.48
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

Have a Nice Day

North Mason Fiber

:	23178
:	107933WA
:	7/10/2013
:	LAKESIDE-20211
:	87,800
:	39,240
:	48,560
:	24.28
:	0
:	DIRTY DIRT
:	NORTH MASON FIBER
:	ALL
:	SCARCELLA BROS
:	KS

North Mason Fiber

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#### Have a Nice Day

North Mason Fiber

Ticket	: 23177
Load No	: 107933WA
Date Out	: 7/10/2013 7:45:20 AM
Truck	: WOOD HAWK
Gross	: 94,920
Tare	: 41,480
Net	: 53,440
Tons	: 26.72
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS
	•

#### Have a Nice Day

North Mason Fiber

Ticket Load No Date Out	: 23179 : 107933WA : 7/10/2013 7:55:19 AM
Date Out Truck	: LAKESIDE-20064
Gross	: 82,640
	•
Tare	: 36,500
Net	: 46,140
Tons	: 23.07
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS
SCATE	. NJ

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Have a Nice Day

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: 23262

: 89,960 : 35,100

: 54,860

: 27.43

: DIRTY DIRT

: NORTH MASON FIBER

: SCARCELLA BROS

: 0

: ALL

:KS

: 107933WA

: 7/11/2013 4:33:34 PM : LAKESIDE-20045

North Mason Fiber

Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered To Supplier Customer	: 23261 : 107933 : 7/11/2013 3:41:12 PM : LAKESIDE-20040 : 93,220 : 36,940 : 56,280 : 28.14 : 0 : DIRTY DIRT : NORTH MASON FIBER : ALL : SCARCELLA BROS
	: SCARCELLA BROS : KS

#### Have a Nice Day

North Mason Fiber

Ticket	: 23258	
Load No	: 107933WA	
Date Out	: 7/11/2013 3:29:40 PM	
Truck	: LAKESIDE-20384	
Gross	: 98,260	
Tare	: 38,660	
Net	: 59,600	
Tons	: 29.80	
Yards	: 0	
Product	: DIRTY DIRT	
Delivered To	: NORTH MASON FIBER	
Supplier	: ALL	
Customer	: SCARCELLA BROS	
Scaler	: KS	

North Mason Fiber

#### Have a Nice Day

North Mason Fiber

Ticket	:	23255
Load No	:	107933WA
Date Out	:	7/11/2013 3:14:17 PM
Truck	:	LAKESIDE-20039
Gross	:	87,960
Tare	:	35,520
Net	:	52,440
Tons	:	26.22
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

#### Scaler

Have a Nice Day

North Mason Fiber

Ticket

Load No

Date Out

Truck Gross

Tare

Net

Tons

Yards

Product Delivered To

Supplier

Customer

#### North Mason Fiber

Ticket	:	23254	
Load No	:	107933WA	
Date Out	:	7/11/2013 3:08:38	РМ
Truck		LAKESIDE-20054	
Gross	:	86,420	
Tare ·		36,300	
Net	:	50,120	
Tons	:	25.06	
Yards	:	0	
Product	:	DIRTY DIRT	
Delivered To	:	NORTH MASON FIBER	
Supplier	:	ALL	
Customer	:	SCARCELLA BROS	
Scaler		KS	

# 7/11/13 PGZ

#### North Mason Fiber

Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered To		23257 107933WA 7/11/2013 3:25:41 PM LAKESIDE-20044 89,420 36,720 52,700 26.35 0 DIRTY DIRT NORTH MASON EIREP
Delivered To Supplier Customer Scaler	: ::	NORTH MASON FIBER ALL SCARCELLA BROS KS

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Have a Nice Day

North Mason Fiber

Ticket	:	23252
Load No	:	107933WA
Date Out	:	7/11/2013
Truck	:	WOOD HAWK
Gross	:	104,560
Tare	:	41,480
Net	:	63,080
Tons	:	31.54
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

#### North Mason Fiber

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#### Have a Nice Day



#### North Mason Fiber

Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered To Supplier Customer Scaler		23248 107933WA 7/11/2013 LAKESIDE-20045 85,020 35,100 49,920 24.96 0 DIRTY DIRT NORTH MASON FIBER ALL SCARCELLA BROS
2Cg16L	:	KS .

#### North Mason Fiber

Delivered To : NORTH MASON FIBER Supplier : ALL Customer : SCARCELLA BROS	Supplier Customer	: ALL : SCARCELLA BROS
Scaler : KS	Scaler	

Have a Nice Day

#### North Mason Fiber

: 23246
: 107933WA
: 7/11/2013
: LAKESIDE-20040
: 87,420
: 36,940
: 50,480
: 25.24
: 0
: DIRTY DIRT
: NORTH MASON FIBER
: ALL
: SCARCELLA BROS
: KS

<u>א</u>ווויז

North Mason Fiber

: 23243

: 107933WA

: 7/11/2013

: 82,660

: 36,480

: 46,180

: 23.09 : 0

: ALL

: KS

: DIRTY DIRT

: NORTH MASON FIBER

: SCARCELLA BROS

: LAKESIDE-20064

Ticket

Load No

Truck

Gross

Tare

Net

Tons

Yards Product

Supplier

Customer

Scaler

Delivered To

Date Out



#### North Mason Fiber

Ticket	:		23245
Load No	:		107933WA
Date Out	:		7/11/2013 11:45:16 AM
Truck	:	;	LAKESIDE-20044
Gross	:		85,400
Tare	:		36,720
Net	:		48,680
Tons	:		24.34
Yards	:	1	0
Product	:	i	DIRTY DIRT
Delivered	To :		NORTH MASON FIBER
Supplier	:		ALL
Customer	:		SCARCELLA BROS
Scaler	:		KS

#### Have a Nice Day

North Mason Fiber

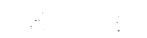
Ticket	: 23242
Load No	: 107933WA
Date Out	: 7/11/2013 11:39:16 AM
Truck	: LAKESIDE-20039
Gross	: 82,900
Tare	: 35,520
Net	: 47,380
Tons	: 23.69
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

Have a Nice Day

#### North Mason Fiber

Ticket	:	23244
Load No	:	107933WA
Date Out	:	7/11/2013
Truck	:	LAKESIDE-20384
Gross	:	86,680
Tare	:	38,660
Net	:	48,020
Tons	:	24.01
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

#### Have a Nice Day



#### North Mason Fiber

Have a Nice Day

Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product		23240 107933WA 7/11/2013 11:33:13 LAKESIDE-20054 80,940 36,300 44,640 22.32 0 DIRTY DIRT	AM
Product Delivered Supplier Customer Scaler	To	 DIRTY DIRT NORTH MASON FIBER ALL: SCARCELLA BROS KS	

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#### Have a Nice Day

#### North Mason Fiber

Ticket	: 23238
Load No	: 107933WA
Date Out	: 7/11/2013 10:58:03 AM
Truck	: LAKESIDE-20211
Gross	: 90,240
Tare 🖌	: 39,320
Net	: 50,920
Tons	: 25.46
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS
00010	

Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered To Supplier Customer		DIRTY DIRT NORTH MASON FIBER ALL
Customer Scaler		SCARCELLA BROS KS
Product Delivered To Supplier Customer	:	O DIRTY DIRT NORTH MASON FIBER ALL SCARCELLA BROS

Have a Nice Day

#### North Mason Fiber

Ticket	:	23230
Load No	:	107933WA
Date Out	:	7/11/2013
Truck	:	LAKESIDE-20384
Gross	:	93,920
Tare	:	38,660
Net	:	55,260
Tons	:	27.63
Yands	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

Have a Nice Day

#### North Mason Fiber

	: 23232 : 107933WA : 7/11/2013 8:33:49 AM : LAKESIDE-20045 : 85,040 : 35,100 : 49,940 : 24.97 : 0 : DIRTY DIRT : NORTH MASON FIBER
Product Delivered To Supplier	: DIRTY DIRT

#### Have a Nice Day

#### North Mason Fiber

Ticket	: 23228
Load No	: 107933WA
Date Out	: 7/11/2013
Truck	: LAKESIDE-20040
Gross	: 96,180
Tare	: 36,940
Net	: 59,240
Tons	: 29.62
Yards	: O
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

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## 7/11/13 76.4

#### North Mason Fiber

Ticket	:	23231	
Load No	:	107933WA	
Date Out	:	7/11/2013 8:24:42	AM
Truck	:	LAKESIDE-20044	
Gross	:	84,300	
Tare	:	36,720	
Net	:	47,580	
Tons	:	23.79	
Yands	:	0	
Product	:	DIRTY DIRT	
Delivered To	:	NORTH MASON FIBER	
Supplier	:	ALL	
Customer	:	SCARCELLA BROS	
Scaler	:	KS	

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Have a Nice Day

#### North Mason Fiber

Ticket	: 23229
Load No	: 107933WA
Date Out	: 7/11/2013
Truck	: LAKESIDE-20039
Gross	: 91,960
Tare 🖕	: 35,520
Net	: 56,440
Tons	: 28.22
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

North Mason Fiber

Ticket Load No	: 23226 : 107933WA
Date Out Truck	: 7/11/2013 8:04:13 AM
Gross	: LAKESIDE-20054 : 91,220
Tare Net	: 36,300 : 54,920
Tons Yards	: 27.46 : 0
Product Delivered To Supplier Customer	: DIRTY DIRT : NORTH MASON FIBER : ALL
Scaler	: SCARCELLA BROS : KS

#### Have a Nice Day

North Mason Fiber

Tons : 27.63 Yards : 0 Product : DIRTY DIRT Delivered To : NORTH MASON FIBER Supplier : ALL Customer : SCARCELLA BROS Scaler : KS	Yards Product Delivered To Supplier Customer	: O : DIRTY DIRT : NORTH MASON FIBER : ALL : SCARCELLA BROS
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#### Have a Nice Day

North Mason Fiber

Ticket	:	23223
Load No	:	107933WA
Date Out	:	7/11/2013 7:38:51 AM
Truck	:	LAKESIDE-20211
Gross	:	99,580
Tare	:	39,320
Net	:	60,260
Tons	:	30.13
Yards	:	0
Product	;	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

2/1/13 PG 5

Have a Nice Day

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North Mason Fiber

Ticket Load No	-	23222 107933WA
Date Out	-	7/11/2013 7:28:42 AM
Truck		WOOD HAWK
Gross		108,680
Tare		41,480
Net	:	67,200
Tons	:	33.60
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

## 7/12/13 PG1

North Mason Fiber

23317
107933WA
7/12/2013 3:32:16 PM
LAKESIDE-20014
87,560
35,380
52,180
26.09
0
DIRTY DIRT
NORTH MASON FIBER
ALL
SCARCELLA BROS
KS

Have a Nice Day

North Mason Fiber

Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered To Supplier	: 23312 : 107933WA : 7/12/2013 3:04:06 PM : LAKESIDE-20024 : 85,140 : 36,120 : 49,020 : 24.51 : 0 : DIRTY DIRT : NORTH MASON FIBER : ALL
Customer	: SCARCELLA BROS
Scaler	: KS

North Mason Fiber

Ticket	:	23315
Load No	:	107933WA
Date Out	:	7/12/2013 3:24:46 PM
Truck	:	LAKESIDE-20045
Gross	:	77,940
Tare	:	35,100
Net	:	42,840
Tons	:	21.42
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

#### Have a Nice Day

#### North Mason Fiber

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Ticket	: 23311
Load No	: 107933WA
Date Out	: 7/12/2013 2:48:59 PM
Truck	: LAKESIDE-20054
Gross	: 90,340
Tare	: 36,300
Net	: 54,040
Tons	: 27.02
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

#### North Mason Fiber

Ticket	: 23314
Load No	: 107933WA
Date Out	: 7/12/2013 3:09:37 PM
Truck	: LAKESIDE-20384
Gross	: 85,420
Tare	: 38,660
Net	: 46,760
Tons	: 23.38
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

#### Have a Nice Day

#### North Mason Fiber

Ticket	: 23310
Load No	: 107933WA
Date Out	: 7/12/2013
Truck	: LAKESIDE-20064
Gross	: 93,580
Tare 🔹	: 36,480
Net	: 57,100
Tons	: 28.55
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

North Mason Fiber

Ticket	:	23309
Load No	:	107933WA
Date Out	:	7/12/2013 2:42:25 PM
Truck	:	WOOD HAWK
Gross	:	112,280
Tare	:	41,480
Net	:	70,800
Tons	:	35.40
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

Have a Nice Day

North Mason Fiber

Ticket	: 23305
Load No	: 107933WA
Date Out	: 7/12/2013
Truck	: LAKESIDE-20391
Gross	: 101,100
Tare	: 36,280
Net	: 64,820
Tons	: 32.41
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

Have a Nice Day

North Mason Fiber

Ticket :	23304
Load No :	107933WA
Date Out :	7/12/2013
Truck :	LAKESIDE-20037
Gross :	96,320
Tare :	37,280
Net :	59,040
Tons :	29.52
Yards :	0
Product :	DIRTY DIRT
Delivered To :	NORTH MASON FIBER
Supplier :	ALL
Customer :	SCARCELLA BROS
Scaler :	KS
Gross : Tare : Net : Tons : Yards : Product : Delivered To : Supplier : Customer :	96,320 37,280 59,040 29.52 0 DIRTY DIRT NORTH MASON FIBER ALL SCARCELLA BROS

#### Have a Nice Day



#### North Mason Fiber

Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered Supplier	: : : : : : : : : : : : : : : : : : :	23300 107933WA 7/12/2013 12:40:13 PM LAKESIDE-20039 89,180 35,520 53,660 26.83 0 DIRTY DIRT NORTH MASON FIBER ALL SCADELLA PROS	[
Supplier Customer Scaler	•	ALL SCARCELLA BROS KS	

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North Mason Fiber

Ticket	: 23301
Load No	: 107933WA
Date Out	: 7/12/2013
Truck	: LAKESIDE-20040
Gross	: 96,800
Tare	: 36,940
Net	: 59,860
Tons	: 29.93
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

7/12/13 PGZ

Have a Nice Day

North Mason Fiber

Ticket Load No Date Out Truck Gross Tare	: 23295 : 107933WA : 7/12/2013 11:49:13 AM : LAKESIDE-20014 : 96,760
Net Tons Yards Product Delivered To Supplier Customer Scaler	: 35,380 : 61,380 : 30.69 : 0 : DIRTY DIRT : NORTH MASON FIBER : ALL : SCARCELLA BROS : KS

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Have a Nice Day

### 7/12/13 PG 3

#### North Mason Fiber

Ticket	: 23294
Load No	: 107933WA
Date Out	: 7/12/2013 11:44:21 AM
Truck	: LAKESIDE-20006
Gross	: 94,880
Tare	: 35,660
Net	: 59,220
Tons	: 29.61
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

#### Have a Nice Day

#### North Mason Fiber

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Ticket	: 23289
Load No	: 107933WA
Date Out	: 7/12/2013 11:25:36 AM
Truck	: LAKESIDE-20024
Gross	: 97,840
Tare	: 36,120
Net	: 61,720
Tons	: 30.86
Yards	: 0
Produ	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

Have a Nice Day

#### North Mason Fiber

Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product	: 23292 : 107933WA : 7/12/2013 11:34:11 AM : LAKESIDE-20045 : 89,560 : 35,100 : 54,460 : 27.23 : 0 : DIRTY DIRT
Yards	: 0
Delivered To Supplier Customer	: DIRTY DIRT : NORTH MASON FIBER : ALL : SCARCELLA BROS
Scaler	: KS

#### Have a Nice Day

#### North Mason Fiber

Ticket	: 23288
Load No	: 107933WA
Date Out	: 7/12/2013 11:22:54 AM
Truck	: LAKESIDE-20054
Gross	: 94,960
Tare	: 36,300
Net	: 58,660
Tons	: 29.33
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

#### Have a Nice Day

#### North Mason Fiber

Ticket	: 23291
Load No	: 107933WA
Date Out	: 7/12/2013 11:29:45 AM
Truck	: LAKESIDE-20384
Gross	: 103,880
Tare	: 38,660
Net	: 65,220
Tons	: 32.61
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS
Gross Tare Net Tons Yards Product Delivered To Supplier Customer	: 103,880 : 38,660 : 65,220 : 32.61 : 0 : DIRTY DIRT : NORTH MASON FIBER : ALL : SCARCELLA BROS

#### Have a Nice Day

#### North Mason Fiber

Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered To Supplier Customer	: : : : : : : : : : : : : : : : : : :	23287 107933WA 7/12/2013 LAKESIDE-20064 96,660 36,480 60,180 30.09 0 DIRTY DIRT NORTH MASON FIBER ALL SCARCELLA BROS
	:	SCARCELLA BROS

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## 7112113 76,4

#### North Mason Fiber

Ticket Load No Date Out	:	23286 107933WA 7/12/2013 11:12:15 AM
Truck	:	WOOD HAWK
Gross	:	107,240
Tare	:	41,480
Net	:	65,760
Tons	:	32.88
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	;	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

#### Have a Nice Day

North	Mason	Fiber
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Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product	: 23274 : 107933WA : 7/12/2013 8:20:40 AM : LAKESIDE-20006 : 93,300 : 35,660 : 57,640 : 28.82 : 0 : DIRTY DIRT
Delivered To Supplier Customer Scaler	: NORTH MASON FIBER : ALL : SCARCELLA BROS
outor	: KS

#### North Mason Fiber

Ticket	:	23281
Load No	:	107933WA
Date Out	:	7/12/2013 9:30:47 AM
Truck	:	LAKESIDE-20040
Gross	:	96,700
Tare	:	36,940
Net	:	59,760
Tons	:	29.88
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

#### Have a Nice Day

North Mason Fiber

Ticket	:	23273
Load No	:	107933WA
Date Out	:	7/12/2013 8:15:08 AM
Truck	:	LAKESIDE-20045
Gross	:	97,420
Tare	:	35,100
Net	:	62,320
Tons	:	31.16
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL ·
Customer	:	SCARCELLA BROS
Scaler	:	KS

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#### North Mason Fiber

Ticket	: 23277
Load No	: 107933WA
Date Out	: 7/12/2013
Truck	: LAKESIDE-20014
Gross	: 93,520
Tare	: 35,380
Net	: 58,140
Tons	: 29.07
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

Have a Nice Day

#### North Mason Fiber

Ticket	: 23271
Load No	: 107933WA
Date Out	: 7/12/2013 8:03:59 AM
Truck	: LAKESIDE-20384
Gross	: 99,360
Tare	: 38,660
Net	: 60,700
Tons	: 30.35
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS



North Mason Fiber

Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered To		NORTH MASON FIBER
	:	
Scaler	:	KS

Have a Nice Day

North Mason Fiber

Ticket	: 23265
Load No	: 170933WA
Date Out	: 7/12/2013 7:37:40 AM
Truck	: WOOD HAWK
Gross	: 105,400
Tare	: 41,480
Net	: 63,920
Tons	: 31.96
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

North Mason Fiber

Ticket	: 23268
Load No	: 107933WA
Date Out	: 7/12/2013 7:53:13 AM
Truck	: LAKESIDE-20054
Gross	: 88,740
Tare	: 36,300
Net	: 52,440
Tons	: 26.22
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

#### Have a Nice Day

North Mason Fiber

Ticket Load No Date Out Truck Gross Tare Net Tons Yards Product Delivered To Supplier	: 23266 : 107933WA : 7/12/2013 7:45:56 AM : LAKESIDE-20064 : 92,260 : 36,480 : 55,780 : 27.89 : 0 : DIRTY DIRT : NURIH MASON FIBER : ALL
Customer	: SCARCELLA BROS
Scaler	: KS

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#### North Mason Fiber

Ticket	: 23267
Load No	: 107933WA
Date Out	: 7/12/2013
Truck	: LAKESIDE-20211
Gross	: 98,320
Tare	: 39,320
Net	: 59,000
Tons	: 29.50
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

Have a Nice Day

# 7/12/13 PG 6

North Mason Fib	
Ticket	Group! : 23316 7/12/13
Load No	: 107933WA BBP
Date Out	: 7/12/2013 3:29:01 PM
Truck	: LAKESIDE-20006
Gross	: 89,840
Tare	: 35,660
Net	: 54,180
Tons	: 27.09
Yands	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS



North Mason Fiber

Have a Nice Day

North Mason Fiber

Ticket : 2	23352
Loud no	L07933WA
	7/15/2013 12:00:41 PM
Truck : l	_AKESIDE-20044
Gross : S	91,020
Tare :	36,720
Net :'	54,300
Tons	27.15
Yards :	0
	DIRTY DIRT
Delivered To :	NORTH MASON FIBER
ouppiro.	ALL
Customer :	SCARCELLA BROS
Scaler :	KS

#### Have a Nice Day

North Mason Fiber

23349
107933WA
7/15/2013
LAKESIDE-20040
91,140
36,940
: 54,200
: 27.10
: 0
: DIRTY DIRT
: NORTH MASON FIBER
: ALL
: SCARCELLA BROS
: KS

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North Mason Fiber

Ticket	: 23353
Load No	: 107933WA
Date Out	: 7/15/2013 12:04:23 PM
Truck	: LAKESIDE-20041
Gross	: 90,020
Tare	: 35,580
Net	: 54,440
Tons	: 27.22
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL .
Customer	: SCARCELLA BROS
Scaler	: KS

Have a Nice Day

#### North Mason Fiber

Ticket	: 23346
Load No	: 107933WA
Date Out	: 7/15/2013
Truck	: LAKESIDE-20391
Gross	: 106,400
Tare	: 41,080
Net	: 65,320
Tons	: 32.66
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

## 7/15/13 PGZ

North Mason Fiber

Ticket	:	23344
Load No	:	107933WA
Date Out	:	7/15/2013
Truck	:	LAKESIDE-20054
Gross	:	99,360
Tare	:	36,300
Net	:	63,060
Tons	:	31.53
Yards	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	;	SCARCELLA BROS
Scaler	:	KS

#### Have a Nice Day

North Mason Fiber

Ticket	:	23337
Load No	:	107933WA
Date Out	:	7/15/2013
Truck	:	LAKESIDE-20041
Gross	:	98,940
Tare	:	35,580
Net	;	63,360
Tons	:	31.68
Yards	:	0
Product		DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

North Mason Fiber

Ticket	:	23343	
Load No	:	107933WA	
Date Out	:	7/15/2013 11:24:31	AM
Truck	:	LAKESIDE-20064	
Gross	:	99,820	
Tare	:	36,480	
Net	:	63,340	
Tons	:	31.67	
Yards	:	0	
Product	:	DIRTY DIRT	
Delivered To	:	NORTH MASON FIBER	
Supplier	:	ALL	
Customer	:	SCARCELLA BROS	
Scaler	:	KS	

#### Have a Nice Day

North Mason Fiber

Ticket	: 23336
Load No	: 107933WA
Date Out	: 7/15/2013
Truck	: LAKESIDE-20014
Gross	: 101,560
Tare	: 35,840
Net	: 65,720
Tons	: 32.86
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

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#### Have a Nice Day

North Mason Fiber

Ticket	: 23342
Load No	:
Date Out	: 7/15/2013 11:10:04 AM
Truck	: WOOD HAWK
Gross	: 102,380
Tare	: 41,080
Net	: 61,300
Tons	: 30.65
Yards	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

Have a Nice Day

North Mason Fiber

Ticket	:	23335
Load No	:	107933WA
Date Out	:	7/15/2013 8:26:22 AM
Truck	:	LAKESIDE-20044
Gross	:	103,440
Tare •	:	36,700
Net	:	66,740
Tons	:	33.37
Yarus	:	0
Product	:	DIRTY DIRT
Delivered To	:	NORTH MASON FIBER
Supplier	:	ALL
Customer	:	SCARCELLA BROS
Scaler	:	KS

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#### North Mason Fiber

Ticket	:	23334
Load No	:	107933WA
Date Out		7/15/2013 8:22:59 AM
Truck		LAKESIDE-20040
Gross	•	104,680
Tare		36,940
Net		67,740
Tons		33,87
Yards	-	0
Product	-	DIRTY DIRT
Delivered To	-	NORTH MASON FIBER
Supplier		ALL
Customer	-	SCARCELLA BROS
	-	
Scaler		KS

#### Have a Nice Day

North Mason Fiber

#### North Mason Fiber

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Ticket	:	23333	
Load No	:	107933WA	
Date Out	:	7/15/2013 7:57:31	AM
Truck	:	LAKESIDE-20054	
Gross	:	89,300	
Tare	:	36,300	
Net	:	53,000	
Tons	:	26.50	
Yards	:	0	
Product	:	DIRTY DIRT	
Delivered To	:	NORTH MASON FIBER	
Supplier	:	ALL	
Customer	:	SCARCELLA BROS	
Scaler	:	KS	

#### Have a Nice Day

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North Mason Fiber

· · · ·	Ticket	: 23327
	Load No	: 107933WA
	Date Out	: 7/15/2013 7:41:10 AM
	Truck	: WOOD HAWK
	11 UCK	• • • • • • • • • • • • • • • • • • • •
	Gross	: 109,940
	Tare	: 41,480
	Net	: 68,460
:	Tons	: 34.23
	Yards	: 0
	Product	: DIRTY DIRT
	Delivered To	: NORTH MASON FIBER
	Supplier	: ALL
	Customer	: SCARCELLA BROS
	Scaler	: KS

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North Mason Fiber

Ticket	: 23332	
Load No	: 107933WA	
Date Out	. 7/15/2013 7:54:27 AM	1
Truck	: LAKESIDE-20064	
Gross	: 94,220	
Tare	: 36,480	
Net	: 57,740	
Tons	: 28.87	
Yards	: 0	
Product	: DIRTY DIRT	
Delivered To	: NORTH MASON FIBER	
Supplier	: ALL	
Customer	: SCARCELLA BROS	
Scaler	: KS	
Scaler	: KS	

Have a Nice Day

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Have a Nice Day

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North Mason Fiber

Ticket	: 23345
Load No	: 107933WA
*Date Out	7/15/2013 11:31:05 AM
Truck	: LAKESIDE-20039
Gross	: 51,140
Tare	: 25,400
Net	: 25,740
Tons	: 12.87
Yands	: 0
Product	: DIRTY DIRT
Delivered To	: NORTH MASON FIBER
Supplier	: ALL
Customer	: SCARCELLA BROS
Scaler	: KS

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Have a Nice Day

North Mason Fiber

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Load No : 107933WA Date Out : 7/15/2013 Truck : LAKESIDE-20384	3
Truck : LAKESIDE-20384	1
CHARDEDE LOODI	
0	
Gross : 95,300	
Tare : 43,780	
Net : 51,520	
Tons : 25.76	
Yards : O	
Product : DIRTY DIRT	
Delivered To : NORTH MASON FIG	ER
Supplier : ALL	
Customer : SCARCELLA BROS	
Scaler : KS	

Have a Nice Day

07/26/2013



#### APPENDIX D REPORT LIMITATIONS AND GUIDELINES FOR USE<sup>2</sup>

This appendix provides information to help you manage your risks with respect to the use of this report.

#### **Environmental Services are Performed for Specific Purposes, Persons and Projects**

This report has been prepared for use by Washington Department of Transportation (WSDOT). This report is not intended for use by others, and the information contained herein is not applicable to other sites.

GeoEngineers structures our services to meet the specific needs of our clients. For example, an environmental site assessment study conducted for a property owner may not fulfill the needs of a prospective purchaser of the same property. Because each environmental study is unique, each environmental report is unique, prepared solely for the specific client and project site. No one except WSDOT should rely on this environmental report without first conferring with GeoEngineers. This report should not be applied for any purpose or project except the one originally contemplated.

#### This Environmental Report is Based on a Unique Set of Project-Specific Factors

This report has been prepared for WSDOT for the US 101 Midway Metals Site located in Clallam County, Washington. GeoEngineers considered a number of unique, project-specific factors when establishing the scope of services for this project and report. Unless GeoEngineers specifically indicates otherwise, do not rely on this report if it was:

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

If important changes are made after the date of this report, GeoEngineers should be given the opportunity to review our interpretations and recommendations and provide written modifications or confirmation, as appropriate.

#### **Reliance Conditions for Third Parties**

If a lending agency or other parties intend to place legal reliance on the product of our services, we require that those parties indicate in writing their acknowledgement that the scope of services provided, and the general conditions under which the services were rendered including the limitation of professional liability, are understood and accepted by them. This is to provide our firm with reasonable protection against open-ended liability claims by third parties with whom there would otherwise be no contractual limits to their actions.

<sup>&</sup>lt;sup>2</sup> Developed based on material provided by ASFE, Professional Firms Practicing in the Geosciences; www.asfe.org.

#### **Environmental Regulations are Always Evolving**

Some substances may be present in the site vicinity in quantities or under conditions that may have led, or may lead, to contamination of the subject site, but are not included in current local, state or federal regulatory definitions of hazardous substances or do not otherwise present current potential liability. GeoEngineers cannot be responsible if the standards for appropriate inquiry, or regulatory definitions of hazardous substance, change or if more stringent environmental standards are developed in the future.

#### **Subsurface Conditions can Change**

This environmental report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time, by manmade events such as construction on or adjacent to the site, by new releases of hazardous substances, or by natural events such as floods, earthquakes, slope instability or groundwater fluctuations. Always contact GeoEngineers before applying this report to determine if it is still applicable.

#### Topsoil

For the purposes of this report, we consider topsoil to consist of generally fine-grained soil with an appreciable amount of organic matter based on visual examination, and to be unsuitable for direct support of the proposed improvements. However, the organic content and other mineralogical and gradational characteristics used to evaluate the suitability of soil for use in landscaping and agricultural purposes was not determined, nor considered in our analyses. Therefore, the information and recommendations in this report, and our logs and descriptions should not be used as a basis for estimating the volume of topsoil available for such purposes.

#### **Most Environmental Findings are Professional Opinions**

Our interpretations of subsurface conditions are based on field observations and chemical analytical data from widely spaced sampling locations at the site. Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. GeoEngineers reviewed field and laboratory data and then applied our professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ – sometimes significantly – from those indicated in this report. Our report, conclusions and interpretations should not be construed as a warranty of the subsurface conditions.

#### **Do Not Redraw the Exploration Logs**

Environmental scientists prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in an environmental report should never be redrawn for inclusion in other design drawings. Only photographic or electronic reproduction is acceptable, but recognize that separating logs from the report can elevate risk.

#### **Read These Provisions Closely**

Some clients, design professionals and contractors may not recognize that the geoscience practices (geotechnical engineering, geology and environmental science) are far less exact than other engineering and natural science disciplines. This lack of understanding can create unrealistic

expectations that could lead to disappointments, claims and disputes. GeoEngineers includes these explanatory "limitations" provisions in our reports to help reduce such risks. Please confer with GeoEngineers if you are unclear how these "Report Limitations and Guidelines for Use" apply to your project or site.

#### Geotechnical, Geologic and Geoenvironmental Reports Should Not Be Interchanged

The equipment, techniques and personnel used to perform an environmental study differ significantly from those used to perform a geotechnical or geologic study and vice versa. For that reason, a geotechnical engineering or geologic report does not usually relate any environmental findings, conclusions or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. Similarly, environmental reports are not used to address geotechnical or geologic concerns regarding a specific project.

#### **Biological Pollutants**

GeoEngineers' Scope of Work specifically excludes the investigation, detection, prevention, or assessment of the presence of Biological Pollutants in or around any structure. Accordingly, this report includes no interpretations, recommendations, findings, or conclusions for the purpose of detecting, preventing, assessing, or abating Biological Pollutants. The term "Biological Pollutants" includes, but is not limited to, molds, fungi, spores, bacteria, and viruses, and/or any of their byproduct.

