



Spill Response and Interim Remedial Action Report

**Gasoline Tanker Spill Site,
Mile Marker 80, Interstate 90
Cle Elum, Washington**

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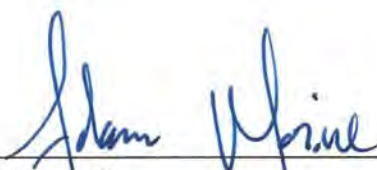
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TABLE OF CONTENTS

| | | |
|------------|---|-----------|
| 1.0 | INTRODUCTION | 1 |
| 2.0 | INCIDENT AND EMERGENCY RESPONSE | 1 |
| 3.0 | SUBSURFACE CONDITIONS | 2 |
| 4.0 | TERRESTRIAL ECOLOGICAL EVALUATION | 3 |
| 4.1 | Primary TEE Exclusions | 3 |
| 4.2 | Site-Specific TEE..... | 3 |
| 4.3 | Receptors of Concern..... | 3 |
| 4.4 | Initial Chemicals of Potential Ecological Concern | 4 |
| 4.5 | TEE Sampling and Analysis..... | 4 |
| 4.6 | Soil Bioassay..... | 5 |
| 4.7 | Bioaccumulation Study | 5 |
| 4.8 | TEE Site-Specific Study Results | 6 |
| 4.8.1 | Lettuce Bioassay Tests | 6 |
| 4.8.2 | Soil Biota Bioassay Tests..... | 6 |
| 4.8.3 | Earthworm 28-Day Bioaccumulation Study..... | 7 |
| 4.9 | Final TEE Cleanup Levels..... | 7 |
| 5.0 | REMEDIAL ACTIONS | 8 |
| 5.1 | Contaminants of Concern and Cleanup Levels..... | 8 |
| 5.1.1 | Contaminants of Concern..... | 8 |
| 5.1.2 | Cleanup Levels | 8 |
| 5.1.2.1 | Soil Cleanup Levels..... | 9 |
| 5.1.2.2 | Groundwater Cleanup Levels..... | 9 |
| 5.1.3 | Analytical Methods | 9 |
| 5.2 | Determining Initial Extent of Contamination..... | 10 |
| 5.2.1 | Soil | 10 |
| 5.3 | Mass Excavation | 11 |
| 5.3.1 | Soil Sampling Methodology | 11 |
| 5.3.2 | Median Excavation..... | 12 |
| 5.3.3 | Performance Soil Sampling Results..... | 13 |
| 5.3.4 | Roadway Soil Borings and Sampling Results..... | 13 |
| 5.4 | Stockpile Management and Sampling | 14 |
| 6.0 | GROUNDWATER ASSESSMENT | 14 |
| 6.1 | Monitoring Well Installation | 15 |
| 6.2 | Wellhead Survey | 15 |

| | | |
|-------------|---|-----------|
| 6.3 | Groundwater Monitoring and Sampling | 16 |
| 6.3.1 | Analytical Results | 17 |
| 7.0 | WASTE DISPOSAL | 18 |
| 7.1 | Soil and Debris | 18 |
| 7.2 | Water | 18 |
| 8.0 | SITE RESTORATION..... | 18 |
| 9.0 | CONCLUSIONS..... | 18 |
| 10.0 | LIMITATIONS | 19 |

TABLES

| | |
|---------|---|
| Table 1 | Summary of Well Survey Data and Groundwater Elevation |
| Table 2 | Summary of Analytical Results for TEE Soil Samples |
| Table 3 | Summary of Analytical Results for Test Pit Soil Samples (in mg/kg) |
| Table 4 | Summary of Analytical Results for Excavation Soil Samples (in mg/kg) |
| Table 5 | Summary of Analytical Results for Roadway Direct Push Investigation – Soil Samples (in mg/kg) |
| Table 6 | Summary of Analytical Results for Stockpile Soil Samples (in mg/kg) |
| Table 7 | Summary of Analytical Results for Monitoring Well Installation – Soil Samples (in mg/kg) |
| Table 8 | Summary of Groundwater Analytical Results for Pond Surface Water (in µg/L) |
| Table 9 | Summary of Analytical Results for Groundwater Samples (in µg/L) |

FIGURES

- Figure 1 General Vicinity Map
- Figure 2 Site Representation with Spill Location
- Figure 3 Site Representation with Monitoring Well Location and Surface Water Features
- Figure 4 Cross Section A-A'
- Figure 5 Initial Test Pit Locations with Soil Analytical Results (in mg/kg)
- Figure 6 Site Representation Indicating Excavation Limits, Sampling Locations, and Figure Areas
- Figure 7 East Area Excavation Limits with Performance Sampling Locations
- Figure 8 Central Area Excavation Limits with Performance Sampling Locations
- Figure 9 West Area Excavation Limits with Performance Sampling Locations
- Figure 10 East Area Excavation Limits with Performance Sampling Analytical Results (in mg/kg)
- Figure 11 Central Area Excavation Limits with Performance Sampling Analytical Results (in mg/kg)
- Figure 12 West Area Excavation Limits with Performance Sampling Analytical Results (in mg/kg)
- Figure 13 East Area Final Performance Soil Sampling Locations
- Figure 14 Central Area Final Performance Soil Sampling Locations
- Figure 15 West Area Final Performance Soil Sampling Locations
- Figure 16 DPT Locations and Soil Analytical Results (in mg/kg)
- Figure 17 Limits of Remaining Impacts to Soil
- Figure 18 Monitoring Well Locations and Groundwater Elevation Contours for March 9, 2016
- Figure 19 Monitoring Well Locations and Groundwater Analytical Results (in µg/L)

ATTACHMENTS

- Attachment A Laboratory Analytical Reports for Soil and Groundwater
- Attachment B Box and Whisker Plots for TEE
- Attachment C TEE Bioassay Reports and WEM Calculation Worksheets
- Attachment D Boring Logs
- Attachment E EPI Groundwater Sampling Field Data
- Attachment F Soil Disposal Documentation
- Attachment G Water Disposal Documentation

ABBREVIATIONS AND ACRONYMS

| Abbreviation/ Acronym | Definition |
|----------------------------------|---|
| BAF | Bioaccumulation factor |
| bgs | Below ground surface |
| BTEX | Benzene, toluene, ethylbenzene, xylenes |
| CH2MHill | CH2MHill |
| COC | Contaminant of concern |
| COEC | Chemical of ecological concern |
| COPEC | Chemical of potential ecological concern |
| CUL | Cleanup level |
| DO | Dissolved oxygen |
| DPT | Direct-push technology |
| Ecology | Washington State Department of Ecology |
| EIC | Ecological indicator soil concentration |
| EPI | Environmental Partners, Inc. |
| FBI | Friedman & Bruya, Inc. |
| GRO | Gasoline-range organics |
| I-90 | Interstate 90 |
| Kenan | Kenan Advantage, Inc. |
| µg/L | Micrograms per liter |
| mg/kg | Milligrams per kilogram |
| MSL | Mean sea level |
| MTCA | Model Toxics Control Act |
| NRC | NRC Environmental Services |
| ORP | Oxidation-reduction potential |
| PCS | Petroleum-contaminated soil |
| PID | Photoionization detector |
| PQL | Practical quantitation limit |
| SRIRA | Spill Response and Interim Remedial Action |
| TEE | Terrestrial ecological evaluation |
| VOC | Volatile organic compound |
| WAC | Washington Administrative Code |
| WEM | Wildlife Exposure Model for Site-Specific Evaluations |
| WSDOT | Washington State Department of Transportation |

1.0 INTRODUCTION

Environmental Partners, Inc. (EPI) is pleased to submit this *Spill Response and Interim Remedial Action (SRIRA) Report* documenting remedial actions performed in response to the December 4, 2015 gasoline release by The Kenan Advantage Group, Inc. (Kenan), which occurred near Mile Marker 80, on Interstate 90 (I-90), Cle Elum, Washington. The general location of the spill site is indicated on Figure 1 and is referred to herein as the "Site."

EPI was retained by Kenan to provide remedial excavation oversight, collect samples, document the cleanup process and define cleanup objectives with Ecology. This report is intended to document the remedial actions performed during the cleanup. This SRIRA Report was prepared in general accordance with the Washington State Department of Ecology (Ecology) Model Toxics Control Act (Revised Code of Washington 70.105D) and implementing regulations (Washington Administrative Code [WAC] 173-340) collectively referred to herein as "MTCA."

The Site is located along I-90 approximately 4.0 miles east of Cle Elum, Washington. The remedial actions were performed within the Washington State Department of Transportation (WSDOT) I-90 Right-of-Way and on adjoining WSDOT-owned property to the south. No other property owners were impacted by the spill event. The Cle Elum River is approximately 60 feet east of the Site at its closest point. A "pond" resulting from historical excavation operations is located approximate 250 south of the Site on the adjoining WSDOT property. A Site Representation with the Spill Location is shown on Figure 2 and a Site Representation with Monitoring Well Locations and Surface Water Features is shown on Figure 3.

2.0 INCIDENT AND EMERGENCY RESPONSE

On December 4, 2015, a Kenan gasoline double fuel tanker truck travelling east collided with the bridge support structure prior to crossing the Cle Elum River and rolled over. The truck-trailer lay resting on its side across northern lane of eastbound I-90, with the front of the truck facing southeast. An estimated 3,000 gallons of regular unleaded gasoline spilled onto the roadway and median from the truck-trailer. The gasoline flowed north from the roadway and into the drainage ditch in the median. The gasoline then traveled mostly to the west along the center of the median along the ditch line. The area impacted by the spill event is indicated on Figure 2. A cross-section representation of the spill area is included on Figure 4.

The overall topography in the spill area is generally flat. However, there is a slight slope to the highway from east to west. All lanes of the highway in this area are paved with concrete panels and the shoulders are asphalt. The gasoline release occurred on the north side of the highway in the eastbound lane. There is approximately 4 feet of paved shoulder from the fog line to the gravel shoulders on either side of the highway. The shoulder of the highway north of the asphalt slopes steeply down away from the highway and into the drainage ditch of along the center of the median. There is approximately 4 to 6 feet of relief from the highway surface to the bottom of the ditch line along the center of the median. The shoulder south of the asphalt slopes steeply down away from the highway and levels into a flat field covered with brush and trees. Utilities within the spill area include an electrical line that traverses perpendicular to the highway to a highway communications sign.

NRC Environmental Services (NRC) was dispatched to the Site on December 4, 2015, to provide emergency response services. Product recovery and cleanup efforts began immediately upon arrival. NRC assisted with removing product from the highway and documented Site conditions. Following the emergency response, EPI met with WSDOT, NRC, and Ecology to develop a plan for assessing the extent of contamination and begin remedial efforts.

During the initial response, test pits were excavated and monitoring wells were installed to assess the extent of the release. At the direction of EPI, NRC excavated three test pits on December 8 and 9, 2015 to determine the vertical and horizontal extents of the gasoline release in the median of I-90. On December 16, 2015, two additional test pits were excavated south of the highway to assess conditions south of the eastbound lanes. A total of five test pits were completed by NRC. Test pit locations are shown on Figure 5. Concurrent with the test pit excavations, EPI directed Holocene Drilling, Inc. (Holocene) to install six groundwater monitoring wells at locations surrounding the gasoline release to assess the extent of impacted soil and groundwater. Additional wells and direct-push technology (DPT) probes were later installed to further assess Site conditions.

During the course of the remedial actions, a total of 14 monitoring wells were installed. The locations of these wells are indicated on Figure 3.

3.0 SUBSURFACE CONDITIONS

Subsurface soils beneath the asphalt highway consist of Poorly-Graded Sand with Gravel to a depth of approximately 8 feet. Soil beneath 8 feet generally consists of Poorly-Graded Gravel with Sand.

Soils encountered north of the highway in the median consisted of Silty Sand with Gravel, Well-Graded to Poorly-Graded Gravel with or without Sand Sand, and Poorly-Graded Sand. The soil types near the surface generally ranged between sand and gravel with varying amounts of silt. A former roadway with asphalt and rock base was intermittently present approximately 4 to 6 feet below the center of the drainage ditch. Where present, this former roadway appeared to limit the vertical migration of the released fuel.

Shallow soil encountered during the monitoring well installation on the south-adjacent property generally consisted of sandy topsoil with roots and transitioned to more gravelly soil at a depth of approximately 2 feet. Gravel content appeared to increase with depth in most areas, then transitioned to Well-Graded Gravel with Sand at a depth of approximately 5 feet. These soil types are typical of fluvial deposits, which are commonly encountered in the area of the Site.

Groundwater is generally shallow beneath the Site, as observed in the excavation at approximately 13 feet below the grade of the bottom of the drainage ditch in the median. During installation of the monitoring wells, groundwater was observed at depths ranging between 5 and 15 feet. Subsequent well monitoring data and observations during excavation indicate that groundwater is typically present at approximately 4 to 13 feet beneath the Site and flows in a southern direction, parallel to the Cle Elum River. This gradient is typical for groundwater in a high energy system defined by the sandy and gravelly subsurface soils, the shallow depth of groundwater, and the relatively close proximity to the Cle Elum

River. The direction of groundwater flow for March 9, 2016 is illustrated on Figure 6. A summary of the well survey data and groundwater elevation is included in Table 1.

Additional details pertaining to soil and groundwater conditions are provided in Sections 5.0 and 6.0.

4.0 TERRESTRIAL ECOLOGICAL EVALUATION

Prior to establishing cleanup levels for the remediation, a terrestrial ecological evaluation (TEE) was performed in accordance with WAC 173-340-7490. MTCA requires the completion of a TEE in accordance with WAC 173-340-7490.

4.1 Primary TEE Exclusions

The Site does not qualify for the primary exclusions from the TEE as documented in WAC 173-340-7491(1). The exclusions do not apply because of the surficial nature of the soil impacts, uncapped nature of the property, and the large area of contiguous undeveloped land on and adjacent to the subject property. In the absence of a TEE exclusion, the MTCA regulations require further evaluation to ensure protection of potential terrestrial and ecological receptors.

4.2 Site-Specific TEE

In accordance with WAC 173-340-7491(2)(a)(iii), a Site-Specific TEE is required, using the procedures detailed in 173-340-7493, due to the presence of at least 10 acres of native vegetation within 500 feet of the areas of the impacted soil at the subject property.

Therefore, the procedures detailed in 173-340-7493 for a Site-Specific TEE to establish contaminant concentrations that are protective of terrestrial and ecological exposures were used.

Developing the Site-Specific TEE requires identifying the following:

- Potential Receptors of Concern
- Chemicals of Potential Ecological Concern (COPECs)
- Potential Exposure Pathways

Once those factors have been identified, it is possible to perform toxicological assessments and to identify final chemicals of ecological concern (COECs). The following sections discuss this process in additional detail.

4.3 Receptors of Concern

The potential receptors of concern at the subject property may include vascular vegetation, soil biota, ground-feeding birds, ground-feeding small mammal predators, and herbivorous small mammals. These are categorized into the following three basic categories:

- Plants
- Soil Biota
- Wildlife

4.4 Initial Chemicals of Potential Ecological Concern

The concentrations of compounds measured at concentrations greater than practical quantitation limits (PQLs) at the subject property were compared against the Ecological Indicator Soil Concentrations for Protection of Terrestrial Plants and Animals (EIC; Table 749-3). EICs are organized in Table 749-3 by receptors of concern as Plants, Soil Biota, and Wildlife.

A compound is considered an initial COPEC if any of the following conditions exist:

- If the detected compounds exceeded any EIC in Table 749-3; or
- If an EIC value is not available in Table 749-3 for any particular receptor of concern.

Based on these criteria, the initial COPECs for the subject property are summarized as follows:

- Gasoline-range organics (GRO)
- Benzene
- Ethylbenzene
- Toluene
- Total xylenes

4.5 TEE Sampling and Analysis

TEE samples were collected from stockpiled soil generated during remedial actions at the Site. The approximate 4-gallon TEE sample required for analysis was collected in a 5-gallon bucket. In accordance with WAC 173-340-7493(3), the protectiveness of concentrations of COECs in soil was evaluated using soil bioassay for plants, and bioaccumulation factor (BAF) testing for wildlife receptors.

In order to confirm the starting contaminant concentrations in the selected soils, five samples were collected from the TEE sample and submitted to a Friedman & Bruya, Inc.'s fixed-base analytical laboratory located in Seattle, Washington, for analysis of COEC concentrations. The COEC analytical results are summarized in Table 2. Copies of the original laboratory analytical reports for the TEE confirmation samples are included in Attachment A.

Upon receiving the analytical data for the confirmation samples, a starting concentration was derived by calculating a mathematical mean. The concentrations in the confirmation samples are presented as box-and-whisker plots in addition to tabular or point/linear estimated mean values. These plots are depicted on charts included in Attachment B. The mean concentrations are summarized on Table 2.

4.6 Soil Bioassay

All COEC were being studied for protectiveness of vascular plants and soil biota. In order to address whether the COECs impacts to soils are protective of vascular plants and soil biota, the TEE sample was subjected to bioassay screening, as specified in WAC 173-340-7493(3)(b)(i).

Soil samples for bioassay analyses were submitted to CH2MHill (CH2MH) of Corvallis, Oregon. Soil bioassay for plants was conducted in accordance with Ecology Publication No. 96-324, *Early Seedling Growth Protocol for Soil Toxicity Screening*. Soil bioassay for soil biota was conducted in accordance with Ecology Publication No. 96-327, *Earthworm Bioassay Protocol for Soil Toxicity Screening* (WADOE Worm Bioassay Method).

For soil bioassays, a 0.5 soil dilution was performed prior to performance of each bioassay, which included a total of eight dilutions; 100%, 50%, 25%, 12.5%, 6.25%, 3.13%, 1.56%, and 0.78%.

The results of the soil bioassay tests are presented in Section 4.8 of this report.

4.7 Bioaccumulation Study

In order to calculate Site-specific indicator concentrations for wildlife receptors, Site-specific BAFs for benzene, toluene, ethylbenzene, and total xylenes (BTEX) were developed using the results of a 28-day bioaccumulation study, as allowed by WAC 173-340-7493(3)(c)(i).

For wildlife receptors, the surrogate species are the American Robin and the Shrew; both are ground-feeding carnivorous species. Therefore, in accordance with Ecology's Wildlife Exposure Model for Site-Specific Evaluations (WEM; MTCA Table 749-4), the potential exposure pathway for these receptors is through consumption of worms living in contaminated soil. The WEM is used to calculate Site-specific concentrations of COECs that are protective of applicable surrogate species. The Site- and COEC-specific BAFs determined by the bioassay studies are input into the WEM to determine the Site-specific concentrations of COECs that are protective of wildlife receptors.

After TEE sample collection and confirmation sampling and analysis, red wiggler worms (*Eisenia fetida*) were added to the selected soils by the laboratory as a part of the bioaccumulation study. The earthworms were grown in contaminated media in accordance with the *Standard Guide for Conducting Laboratory Soil Toxicity or Bioaccumulation Tests with the Lumbricid Earthworm Eisenia Fetida and the Enchytraeid Potworm Enchytraeus albidus* (ASTM E1676-04 2007). Following the 28-day bioaccumulation incubation period, the earthworms were removed from the soil, placed in chemistry containers, and submitted to Freidman & Bruya, Inc. (FBI) of Seattle, Washington, for tissue analysis for the appropriate Site-specific COECs.

The results of the earthworm bioaccumulation study and confirmation soil sampling were subsequently used to calculate Site-specific BAFs for the subject property. BAFs were calculated by dividing the worm COEC concentration by the mean confirmation soil COEC concentration. The calculated Site-specific BAFs were then used to calculate Site-specific indicator concentrations that are considered protective of potential wildlife receptors using the equations provided in the WEM, Table 749-4 in MTCA. Confirmation

soil sampling results, worm tissue concentrations, and resulting BAF values are displayed in Table 2. WEM calculation worksheets for soil concentrations calculated using Site-specific BAF values determined from the 28-day earthworm bioaccumulation studies are provided as Attachment C.

The results of the bioaccumulation study are presented in Section 4.8.3 of this report.

4.8 TEE Site-Specific Study Results

The results of the soil bioassay analysis and worm bioaccumulation study are presented in the following sections. Protective concentrations for Site-specific COECs and respective ecological receptors are presented below. Laboratory analytical reports are provided in Attachment A. The Soil Toxicity Evaluation reports prepared by CH2MH are included in Attachment C. WEM calculation worksheets for soil concentrations considered protective of wildlife that were calculated using Site-specific BAF values determined from the 28-day earthworm bioaccumulation studies are presented in Attachment C.

4.8.1 Lettuce Bioassay Tests

The bioassay results for all COECs in soil indicated that when compared to the control sample, none of the dilutions show statistically significant impact. Therefore, the 100 percent dilution concentration is considered protective of plants. Therefore, the cleanup levels protective of plants for COECs at the Site are as follows:

- GRO – 458 milligrams per kilogram (mg/kg)
- Benzene – 0.76 mg/kg
- Toluene – 45 mg/kg
- Ethylbenzene – 10.2 mg/kg
- Total xylenes – 76 mg/kg

4.8.2 Soil Biota Bioassay Tests

The control samples for the 14-day soil bioassay tests did not meet the acceptability criteria for a valid test (i.e., the control samples did not achieve a greater than 90 percent survival rate) and is thus considered invalid. Therefore, the 28-day test was used for survival measurement.

The control sample for the 28-day test achieved an acceptable survival rate and two bioassay dilutions were analyzed (i.e., 100 percent and 50 percent).

The bioassay results for all COECs in soil using the 28-day test indicated that when compared to the control sample the 100 percent sample showed a statistically significant impact, while the 50 percent did not. Therefore, the 50 percent dilution concentration is considered protective of soil biota. The cleanup levels protective of soil biota for COECs at the Site are as follows:

- GRO – 229 mg/kg
- Benzene – 0.38 mg/kg
- Toluene – 23 mg/kg

- Ethylbenzene – 5.1 mg/kg
- Total xylenes – 38 mg/kg

4.8.3 Earthworm 28-Day Bioaccumulation Study

The results of the 28-day earthworm bioaccumulation study conducted using soils from the subject property are summarized in the sections below. The starting concentrations for each COEC is shown in Table 2. The analytical results for tissue samples analyzed are included in Attachment A.

None of the tissue samples contained a detectable concentration for any of the COECs present. Conservatively, EPI used half the detection limit in the WEM calculations in order to derive a Site-specific BAF for benzene, toluene, ethylbenzene, and total xylenes. (Note: a BAF was not calculated for GRO due to an EIC of 5,000 mg/kg documented in Table 749-3 in MTCA. Therefore, the GRO cleanup level of 5,000 mg/kg will be used as a cleanup level for GRO that is protective of wildlife.)

Based on the WEM calculations, or the value established in Table 749-3 in MTCA, the Site-specific TEE cleanup levels protective of wildlife are as follows:

- GRO – 5,000 mg/kg (based on Table 749-3 in MTCA)
- Benzene – 98 mg/kg (based on WEM calculations)
- Toluene – 103 mg/kg (based on WEM calculations)
- Ethylbenzene – 104 mg/kg (based on WEM calculations)
- Total xylenes – 104 mg/kg (based on WEM calculations)

4.9 Final TEE Cleanup Levels

The final TEE cleanup levels (CULs) are the lowest of the TEE CULs established for the TEE receptors of concern, which are summarized as follows:

| COEC | TEE CUL Protective of Plants (mg/kg) | TEE CUL Protective of Soil Biota (mg/kg) | TEE CUL Protective of Wildlife (mg/kg) | Final TEE CUL |
|---------------|--------------------------------------|--|--|---------------|
| GRO | 458 | 229 | 5,000 | 229 |
| Benzene | 0.76 | 0.38 | 98 | 0.38 |
| Toluene | 45 | 23 | 104 | 23 |
| Ethylbenzene | 10.2 | 5.1 | 104 | 5.1 |
| Total Xylenes | 76 | 38 | 104 | 38 |

With the exception of ethylbenzene, these CULs are greater than the MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses for each compound.

5.0 REMEDIAL ACTIONS

Remedial efforts at the Site consisted of delineating petroleum impacts and the direct excavation and disposal of petroleum-contaminated soil (PCS). The following sections describe the cleanup objectives, soil sampling objectives and methodologies, disposal documentation, and performance results for soil following remedial efforts.

5.1 Contaminants of Concern and Cleanup Levels

5.1.1 Contaminants of Concern

Based on the fuel type released and discussions with Ecology, the contaminants of concern (COCs) identified for the Site are:

- GRO
- Benzene
- Toluene
- Ethylbenzene
- Total xylenes

These COCs are collectively referred to as GRO and BTEX.

5.1.2 Cleanup Levels

CULs for soil and groundwater were evaluated in accordance with MTCA requirements and take into consideration exposure pathways and receptors based on current and likely future uses of the Site. The Site is currently zoned for commercial use, but the majority of the property surrounding the highway is unpaved and covered with vegetation. Based on the zoning and current and expected future use of the Site and adjacent properties, exposure pathways for human and ecological receptors were considered for the development of applicable CULs.

Under the current and future land uses, the potential pathways for exposure to on-Site contaminants include direct contact (dermal, ingestion, and inhalation exposures) with shallow soil and groundwater by construction workers and Site monitoring personnel. Due to the presence of soil contaminants shallower than 6 feet below ground surface (bgs), the potential for ecological exposures exists. Based on these conditions, ecological CULs for soil and MTCA Method A CULs for soil and groundwater are applicable.

As the results of the TEE indicated, with the exception of ethylbenzene, the soil CULs associated with protection of ecological receptors are higher than the MTCA Method A CULs.

Because the MTCA Method A CULs for all COCs except ethylbenzene were determined to be more protective for all potential receptors and exposures at the Site, they were chosen as the CULs for soil and groundwater. The TEE soil CUL for ethylbenzene is used in place of the MTCA Method A soil CUL. Considering the exposure pathways identified above, soil CULs for unrestricted land use and

groundwater CULs for protection of drinking water use were developed in accordance with WAC-173-340-740 and -720.

5.1.2.1 Soil Cleanup Levels

The following soil CULs were used for remedial actions conducted in the areas adjacent to the highway (rationale in parentheses):

- GRO – 30 mg/kg (MTCA Method A Soil Cleanup Level for Unrestricted Land Uses [MTCA Method A soil CUL])
- Benzene – 0.03 mg/kg (MTCA Method A soil CUL)
- Toluene – 7 mg/kg (MTCA Method A soil CUL)
- Ethylbenzene – 5.1 mg/kg (TEE soil CUL)
- Total xylenes – 9 mg/kg (MTCA Method A soil CUL)

5.1.2.2 Groundwater Cleanup Levels

The following MTCA Method A Cleanup Levels for Groundwater (Method A groundwater CULs) were used for evaluating groundwater compliance in the vicinity of the remedial actions and at surrounding monitoring wells at the Site:

- GRO – 800 micrograms per liter ($\mu\text{g/L}$)
- Benzene – 5 $\mu\text{g/L}$
- Toluene – 1,000 $\mu\text{g/L}$
- Ethylbenzene – 700 $\mu\text{g/L}$
- Total xylenes – 1,000 $\mu\text{g/L}$

5.1.3 Analytical Methods

The following analytical methods were used for determining COC concentrations in soil and groundwater at the Site:

- GRO – Ecology Northwest Total Petroleum Hydrocarbons as gasoline (NWTPH-Gx) Method
- BTEX – U.S. Environmental Protection Agency (EPA) Method 8021B

All soil and groundwater samples were analyzed by either FBI fixed-base laboratory located in Seattle, Washington, under 24-hour turnaround time, or by a mobile laboratory operated by Libby Environmental, Inc. (Libby).

Standard chain-of-custody procedures were followed in transporting all soil and groundwater samples to the laboratory.

5.2 Determining Initial Extent of Contamination

Upon arrival to the Site, NRC noted that spilled gasoline from the fuel tanker had moved down and off of the northern gravel shoulder of the highway into vegetated median adjacent to the highway. Shallow test pits were excavated with a small backhoe within two areas of spilled fuel to determine the initial extents of contamination.

At the direction of EPI, NRC excavated three test pits (T-1 through T-3) on December 8 and 9, 2015 to determine the vertical and horizontal extents of the gasoline release in the median of I-90 and to identify the presence of COCs associated with the release. On December 16, 2015, two additional test pits (T-4 and T-5) were excavated south of the highway to identify the possible migration of COCs across I-90. A total of five test pits were completed by NRC as shown on Figure 5.

Each test pit was excavated until impacts were not detectable by standard field screening and olfactory methods. Vapors at each test pit were monitored for volatile organic compounds (VOCs) using a photoionization detector (PID). Petroleum staining, sheen, and/or odor was observed at some of the test pit locations and VOCs were detected with the PID at concentrations ranging from 0.1 to greater than 500 parts per million by volume (ppmv). The highest concentrations of VOCs were detected in vapors from the vicinity of test pit T-2 located north of the highway in the center of the median.

Test pit T-3 was completed until groundwater was encountered at a depth of approximately 15 feet.

EPI personnel collected one or more soil samples from each test pit for laboratory analysis. The soil samples were collected from depths ranging between 2 and 12 feet bgs. A total of nine soil samples were collected into laboratory-supplied containers and submitted to Freidman & Bruya, Inc. in Seattle, Washington, under standard chain-of-custody protocols. All samples were analyzed for GRO and BTEX.

Analytical results for the test pit soil samples are presented in Table 3. Copies of the laboratory analytical reports are provided in Attachment A. The results are summarized below.

5.2.1 Soil

GRO and one or more BTEX compounds were detected in soil samples from two of the test pits north of the highway (T-1 and T-2) and from both test pits south of the highway (TP-4 and TP-5). GRO concentrations ranged from 0.024 to 19,000 mg/kg, with the highest concentration detected in soil sampled from T-2 at the 2-foot depth. The highest concentrations of BTEX compounds were also detected in the 2-foot sample from T-2, with benzene at 64 mg/kg, toluene at 1,500 mg/kg, ethylbenzene at 290 mg/kg, and total xylenes at 1,600 mg/kg.

Based on the analytical results for the test pit samples, a plan was developed for excavating and disposing of PCS from the median of the highway. The soil removal plan included performance soil sampling to confirm the limits of the excavated areas. Mass excavation activities are discussed in Section 5.3.

5.3 Mass Excavation

Mass excavation work was conducted based on the results of the initial field data that determined the general extent of impacts. Excavation work in the median of the highway started east of the spill area to determine to eastern extents of the impacts. Once the eastern extents of the impacts were determined, the excavation proceeded westerly.

In general, the following activities were conducted to address petroleum impacts at the Site:

- Excavation of PCS;
- Stockpiling impacted soils for loading into trucks for subsequent transport and disposal;
- Collection and laboratory analysis of soil samples from the excavation limits (see Section 5.3.1);
- Continuing excavation where soil samples contained COC concentrations that exceeded an applicable CUL, and resampling the limits until COC concentrations in final performance samples were less than applicable CULs; and
- Restoration of the Site (see Section 8.0).

5.3.1 Soil Sampling Methodology

During the PCS excavation activities, performance soil samples were collected from the sidewalls of the excavation to confirm the lateral extent of contamination. Final performance samples (or "confirmation samples") were collected at the final limits of the excavated areas in order to document compliance with soil CULs at the terminal limits. Figures 6 through 9 depict the locations of each performance soil sample collected from the excavation in the median of the highway. Figures 10 through 12 depict the locations and analytical results for all performance samples that contain COCs at concentrations exceeding applicable CULs.

Samples were collected along the sidewalls of the excavation at a minimum of approximately one sample for a minimum of every 100 square feet of exposed sidewall. Performance soil samples were collected from the bottom of the excavation at a minimum of approximately one sample for a minimum of every 300 square feet. If COC concentrations detected in a sample exceeded the applicable CUL, further soil was excavated and the area was resampled. A total of 282 performance soil samples were collected and analyzed as part of the remedial excavation in the median of the highway. A total of 225 of those samples represented final performance samples collected at the terminal limits of the excavation.

All performance samples were labeled with coordinates according to a grid system established over the excavation area. Grid coordinates running east-west from the highway were established beginning at the northern edge of the roadway asphalt at the western point of the bridge deck of the westbound lanes. The sampling grid is depicted on Figure 6. Grid coordinates running north to south across the excavation were established beginning at the same point described above. Due to the topography and field

conditions, coordinates were often estimated using a variety of field techniques. Field staff generally collected final confirmation samples from the roadway and paced off distances between samples to collect sidewall samples at a minimum frequency of 12 feet along sidewalls. Sidewall samples were collected at various depths, and the depth was included as part of the sample ID (e.g., sidewall sample E15-S25-12s was collected from grid coordinate E15-S25 at a depth of 12 feet bgs).

The samples were collected into laboratory-supplied containers, placed in a chilled cooler, and submitted to the laboratory under standard chain-of-custody protocol. All samples were analyzed for GRO and BTEX using the analytical methods identified in Section 5.1.3.

Additional soil was removed and the area resampled if laboratory data indicated COC concentrations greater than the CULs.

5.3.2 Median Excavation

The excavation work in the median of the highway was performed between December 13, 2015 and February 11, 2016. Mass excavation began in the eastern portion of the median, approximately 100 east of the general location of the gasoline release. Prior to commencing soil removal activities, concrete barriers were installed on each fog line to protect traffic. Gasoline-impacted material was first excavated at a 1:1 slope away from the highway beginning at the edge of the pavement. As the impacted material was along the northern fog line of the eastbound lanes, slot cutting techniques were employed to remove the maximum amount of impacted material near the fog line.

Slot-cutting utilizes the excavation of alternating "slots," typically 5 to 10 feet wide and separated by 10 feet of native material. Following sample collection at the northern fog line of the eastbound lanes, quarry spalls were then backfilled at a 1:1 slope to stabilize the roadway while awaiting analytical results from the sidewall samples. After the excavated slot is backfilled with quarry spalls, the native materials in between were excavated and backfilled in the same manner.

Excavation was first completed in the center of the median at the eastern extent of impacts. As the eastern extent of impacts was defined, the excavation continued westward. Performance samples were collected every 4 to 5 feet bgs vertically throughout the depth of excavation prior to backfilling. As the excavation continued to the south near the eastbound lanes, samples were collected at the vertical plane of the eastbound lanes to document conditions beneath the eastbound lanes. The on-Site engineer determined minimal setbacks and vertical sidewalls could be attained, where necessary, through the use of slot-cutting techniques. Slot-cutting was used to allow removal of all accessible PCS.

The analytical results for the southern sidewall along the northern edge of the highway indicated that COCs were detected in soil beneath the shoulder at concentrations that exceeded the CULs and impacts likely migrated beneath the eastbound lanes of I-90. Additional samples were collected from DPT borings (DP-1 through DP-23) advanced within the roadway to determine the extent that COC concentrations exceeded the CULs beneath the roadway. Details of these DPT samples are provided in Section 5.4.5.

Figures 10, 11, and 12 present the excavation performance soil sample locations that exceed their applicable CULs and their corresponding analytical data. Figures 13, 14, and 15 depict the locations of the final performance samples.

5.3.3 Performance Soil Sampling Results

Analytical data for performance soil samples collected from the excavation are presented in Table 4. Copies of the laboratory analytical reports are included in Attachment A.

As previously noted, the soil sampling locations for the excavation areas are shown on Figures 6 through 9. Each red or green dot represents where a soil sample was collected from or immediately surrounding the excavation areas. Red dots identify samples containing COC concentrations that exceeded an applicable CUL. Green dots identify samples with COCs at concentrations less than the CULs or PQL.

Figures 10 through 12 depict the excavation area and contains analytical results for the soil samples collected in that area that exceed their applicable CULs. As GRO and BTEX were the primary "remedial drivers" for the north excavation, those compounds are shown in a data box for each of the performance sampling locations on the figure. COC concentrations that were detected at concentrations greater than the PQL are shown in bold text and those that exceeded a CUL are in red bold text. Figures 13, 14, and 15 summarize the locations of the confirmation soil samples collected at the final limits of the excavation.

Based on the analytical data for the final performance samples collected at the Site, the agreed-upon CULs were attained and no additional remedial excavation is feasible at the Site. In conjunction with this report, EPI is preparing an SVE Installation Work Plan to address the impacts present beneath the eastbound lanes of I-90. Impacts remaining beneath the roadway are described below in Section 5.3.4.

5.3.4 Roadway Soil Borings and Sampling Results

EPI monitored the completion of 23 DPT soil borings between February 3, and February 10, 2016. Prior to initiating work, EPI contracted with a utility locating service to identify the presence of locatable buried utilities within the work area at the Site. The soil borings were advanced to depths ranging from 12 to 16 feet, which generally corresponded with equipment refusal. In general, soils consisted of Poorly Graded Sand with Gravel down to the maximum depth explored. The approximate boring locations are shown on Figure 16. Descriptive logs for the borings are presented in Attachment D.

Boring locations DP-1 through DP-8 were advanced on the north side of the eastbound highway lane near mile marker 80. Boring locations DP-9 through DP-15 were advanced near the centerline of the highway. These 15 borings were advanced approximately 30 feet apart. Boring locations DP-16 through DP-23 were advanced on the right shoulder of the eastbound highway lane. These borings were advanced approximately 15 feet apart.

Field screening was performed on soil samples obtained from the borings using visual examination and headspace vapor screening with a PID. At least two samples from each boring were selected for chemical analysis based on field screening results and/or the sample location relative to potential sources of contamination.

A total of 71 samples were collected from the 23 borings. Each sample was analyzed for GRO and BTEX using the methods described in Section 5.1.3. Analytical results are summarized on Table 5. Analytical reports for the data collected may be found in Attachment A. The analytical results are summarized on Figure 16.

Analytical results from the DPT investigation indicate that an area of soil beneath the eastbound lanes of I-90 contained PCS at concentrations exceeding applicable CULs. Approximately 1,960 cubic yards of impacted soil remains beneath the eastbound lanes of I-90. The soil is impacted to a maximum depth of 13 feet below the grade of the highway surface. The extent of remaining impacts is depicted on Figure 17.

As shown on Figure 17, impacts remaining under the highway are divided into two areas: a western area and an eastern area.

The western area is approximately 52 feet long in the east-west direction and approximately 3 feet wide in the north-south direction with an estimated maximum depth of impact of about 8 feet below the highway grade. Impacts to soil in the western area appear to be limited to the northern shoulder of the highway and do not extend beneath the driving lanes.

The eastern area is approximately 125 feet long in the east-west direction and approximately 30 feet wide in the north-south direction with a maximum depth of impact of 13 feet below the highway grade. Impacts to soil in the eastern area extend all the way across the highway and southern shoulder of the eastbound lanes. The southern limit has not been defined; however, COC concentrations along the southern edge of the eastern area are very low and are not expected to have significantly migrated beyond the southern shoulder.

5.4 Stockpile Management and Sampling

Soils from the excavated areas were temporarily stockpiled on a polyethylene liner located near the western extent of the excavation in the median. Soils were placed on the stockpile directly from the excavator bucket. At the end of each day, the stockpile was covered with plastic sheeting to protect it from the elements and appropriate erosion control methods were implemented.

A total of 11 stockpile samples were collected prior to removal from the Site. Analytical data for stockpile soil samples are presented in Table 6. Copies of the laboratory analytical reports are included in Attachment A.

From December 29, 2015 through February 12, 2016, soils from the stockpile were loaded into dump trucks and hauled off-Site for disposal (see Section 7.0 for disposal details). The liner was removed with the final load and disposed with the soil.

6.0 GROUNDWATER ASSESSMENT

As noted in Section 2.0, initial assessment of the Site included installation of six groundwater monitoring wells (MW-1 through MW-6) at locations surrounding the gasoline release to assess the extent of

impacted groundwater. Based on the initial data obtained from the first six wells and observations that groundwater was likely high energy, additional wells (MW-7 through MW-12) were installed to assess conditions downgradient from the petroleum release. Following the remedial excavations, two more wells (MW-13 and MW-14) were installed in the excavation limits. A total of 14 groundwater monitoring wells were installed at the Site between December 9, 2015 and March 8, 2016. The locations of these monitoring wells are depicted on Figure 3.

In addition to assessing groundwater conditions at the monitoring wells, water quality was also monitored in the pond located near and downgradient from the Site. The nearby Cle Elum River was also inspected frequently for any evidence of impacts from the spill site.

6.1 Monitoring Well Installation

Monitoring wells were installed using sonic drilling and hollow-stem auger drilling techniques. The wells were installed to depths ranging from 8 feet to 25 feet bgs. The bore hole for each well was advanced to the bottom depth using the limited access sonic rig, with the exception of one well, MW-12, which was advanced using a limited access hollow-stem auger rig. A 2-inch diameter PVC casing with the well screen (0.010-inch slot) was then installed using the drilling equipment. A 5-foot length of well screen was placed in two of the wells that were close to the Cle Elum River (MW-3, MW-4). A 10-foot well screen was placed in all other wells. Several monitoring wells (MW-3, MW-4, and MW8 through MW12) have stick-up monuments to protect the well casing from possible flooding. Depth to groundwater varied among the borings from approximately 3 to 15 feet bgs. The range of depth to groundwater among the wells was due to the topography that had varying ground surface elevations.

Soil was sampled from MW-1 through MW-12 and screened for the presence of VOCs with a PID. Lithologic characteristics, PID readings, and other field observations were recorded on a field log for each location. The boring logs for MW-1 through MW-14 are included in Attachment D.

A total of 20 soil samples were submitted for laboratory analysis from the 12 monitoring wells. All samples collected from monitoring well borings were submitted for GRO and BTEX analysis using the methods described in Section 5.1.3.

Analytical results are summarized in Table 7. Copies of the original laboratory reports are included in Attachment A.

No COCs were detected in soil at concentrations exceeding an applicable CUL in any sample from the monitoring wells.

6.2 Wellhead Survey

A wellhead survey for 11 of the 14 wells was completed on January 8, 2016 by Otak, Inc. of Redmond, Washington. The survey included measurements of horizontal and vertical coordinates for MW-1 through MW-11.

On February 3, 2016, EPI field staff surveyed the wellhead to MW-12. During this survey MW-8 and MW-5 were used for a vertical reference datum.

On May 23, 2016, EPI field staff surveyed the wellhead to MW-13 and MW-14. During this survey, MW-6 was used for a vertical reference datum.

Horizontal coordinates were measured relative to the North American Datum of 1983 (NAD83), Washington State Plane Coordinate System, North Zone. Wellhead elevations were measured at the northernmost point on the top of each well casing to the nearest 0.01 foot, relative to the North American Vertical Datum of 1988 (NAVD88).

Wellhead elevations measured during the survey ranged from 1,974.86 feet above mean sea level (MSL) at MW-8 to 1,987.68 feet above MSL at MW-14. The survey data are presented in Table 1.

6.3 Groundwater Monitoring and Sampling

Groundwater monitoring was performed at the wells following their installation. The monitoring activities included measuring depth to groundwater and collecting samples for laboratory analysis. An initial monitoring event was performed at MW-1 through MW-6 on December 14, 2015, immediately following their installation and development. Subsequent events were performed at selected wells on December 21 and 29, 2015; January 5, 14, and 25, February 4, 16, and 23, and March 9, 2016 for a total of 10 sampling events.

During each monitoring event, depth to water was measured at selected wells to the nearest 0.01 foot relative to the surveyed point at the top of the well casing. This measurement was used to calculate the elevation of the groundwater table. Depth-to-water measurements generally ranged from 3.70 to 15.13 feet below the top of the well casing. The depths correspond to groundwater elevations ranging between 1,969.70 and 1973.66 feet above MSL. Groundwater elevation data are summarized in Table 1.

The depths to water were measured in all wells during a monitoring event conducted on March 9, 2016. The elevations for those wells were used to generate a representative set of groundwater elevation contours and interpolate the groundwater flow across the Site. The elevation data indicate that groundwater generally flows in a southern direction at an average gradient of 0.012 feet/foot. The groundwater elevation, interpolated contours, and flow direction measured on March 9, 2016 are shown on Figure 18.

Following water depth measurements, groundwater samples were collected from selected wells during each monitoring event. Prior to sample collection, groundwater was purged from the well using a peristaltic pump and dedicated tubing. Purging was conducted until field measurements of pH, conductivity, DO, temperature, and ORP stabilized to within 10 percent of the prior measurement. Field parameter measurements were recorded in the field notebook or on sampling field sheets. Copies of the field data are presented in Attachment E.

Following purging, groundwater samples were collected in laboratory-supplied containers using a peristaltic pump with new tubing for each well. During sample collection the flow rate of the pump was reduced to 100 milliliters per minute to limit the potential loss of volatile constituents. Samples were placed in a chilled cooler and submitted to the laboratory under standard chain-of-custody protocol. The samples were analyzed for GRO and BTEX using the analytical methods identified in Section 5.1.3.

In addition to sampling groundwater from the monitoring well network, surface water samples were also collected from nearby pond water to assess water quality for COCs. The pond water was approximately 450 feet downslope from where the release occurred. EPI performed at least daily inspections of the Cle Elum River throughout the remedial actions. There was no indication of impacts to the Cle Elum River or to the downslope pond during any time EPI performed inspections.

The pond was sampled in the same two locations (as shown on Figure 3) on 10 occasions between December 18, 2015 and January 27, 2016. Analytical results for the surface water samples collected from the pond are presented in Table 8.

6.3.1 Analytical Results

Analytical results for the groundwater and pond samples collected from the monitoring wells are presented in Tables 8 and 9 and summarized on Figure 19. As GRO and benzene were the primary remedial drivers, only data for those compounds are shown on Figure 19. Copies of the laboratory analytical reports are provided in Attachment A. The results are summarized below.

- The groundwater analytical data for the monitoring wells indicate that GRO and/or benzene and toluene were detected at concentrations exceeding the CULs in MW-2 on December 14, 2015 and exceeded the CULs in MW-5 on December 14, 2015, January 25, 2016, and February 2016, 2016. These wells are located directly downgradient from where the gasoline release occurred.
- The groundwater analytical data for MW-13 and MW-14, which were installed in early March 2016 in the vicinity of the excavation limits, indicated that GRO and BTEX compounds were less than the PQL in the two wells.
- In the final groundwater sampling event conducted in March 2016, concentrations of COCs were less than the CULs in all wells.
- The analytical results for the pond surface water samples indicated that all COCs were less than the PQL in all of the samples. There was no indication of impacts to the pond as a result of the release.

7.0 WASTE DISPOSAL

7.1 Soil and Debris

Impacted soil that was excavated from the Site was classified as non-dangerous PCS and was sent off-Site for disposal. A total of 6,865.95 tons of PCS were transported to Anderson Rock and Demolition Pits in Yakima, Washington, between December 29, 2015 and February 12, 2016. Disposal documentation for the soil and debris is provided in Attachment F.

7.2 Water

Wastewater generated at the Site during the emergency response and remedial actions included water and gasoline pumped from the median excavation and water generated from well installation and sampling activities. All of the water was contained in the tank of the vacuum truck and transported off-Site to Marine Vacuum Services, Inc. (Mar-Vac) in Seattle, Washington, for treatment and disposal. A total of 2,950 gallons of wastewater with trace gasoline was disposed between December 4, 2015 and February 23, 2016. Purge water from well sampling events was stored in 55-gallon drums on-Site pending proper disposal. Wastewater disposal documentation is provided in Attachment G.

8.0 SITE RESTORATION

After the analytical results for the final performance samples indicated that soils within the median area were in compliance with applicable CULs, the excavation area was backfilled with clean material. The Site was regraded to approximately the same surface topography that existed prior to the spill. The temporary concrete barriers that had been placed along the highway were removed from the Site.

In the median of the highway, topsoil was placed over the excavation backfill materials and hydroseeded to prevent wind and water erosion.

9.0 CONCLUSIONS

The following conclusions are based on the observations and results of the remedial actions performed at the Site:

- On December 4, 2015, a Kenan gasoline double fuel tanker truck collided with the bridge prior to crossing the Cle Elum River and rolled over. The truck-trailer lay resting on its side across northern lane of eastbound I-90, with the front of the truck facing southeast. An estimated 3,000 gallons of regular unleaded gasoline spilled onto the roadway and median from the truck-trailer. The gasoline flowed north from the roadway and into the drainage ditch in the median. The gasoline then traveled mostly to the west along the center of the median along the ditch line.

- Approximately 6,865.95 tons of PCS were successfully removed from the impacted areas in the median of the highway and transported off-Site for disposal. Confirmation soil samples collected from the excavation limits from all accessible areas indicated that concentrations of COCs within the median were in compliance with the applicable soil CULs. Additional impacts to soil remain beneath the eastbound lanes of I-90.
- Based on a DPT investigation performed, approximately 1,960 cubic yards of impacted soil remains beneath the eastbound lanes of I-90 as shown on Figure 17. The soil is impacted to a maximum depth of 13 feet below the grade of the highway surface. In conjunction with this report, EPI is preparing a *Cleanup Action Plan* to address these impacts beneath I-90 using soil vapor extraction. EPI expects to implement this remedy in September 2016.
- The groundwater analytical data for the monitoring wells indicate that GRO and/or benzene were detected at concentrations exceeding the CULs in MW-2 on December 14, 2015 and exceeded the CULs in MW-5 on December 14, 2015, January 25, 2016, and February 16, 2016. These wells are located directly downgradient from where the gasoline release occurred. However, concentrations of the COCs rapidly decreased to concentrations less than the CULs by March 2016. This type of trend is evident of a swiftly moving groundwater system, which is consistent with subsurface conditions observed at the Site. Additional groundwater monitoring will be performed in order to evaluate any long term trends from the impacts remaining beneath the eastbound lanes of I-90.
- Water quality at the nearby Cle Elum River and downgradient ponds located near and downgradient from the Site do not appear to have been impacted as a result of the release.

10.0 LIMITATIONS

To the extent that preparation of this report required the application of best professional judgment and the application of scientific principles, certain results of this work were based on subjective interpretation. EPI makes no warranties, express or implied, including and without limitation warranties as to merchantability or fitness for a particular purpose. The information provided in this Spill Response and Remedial Action Report is not to be construed as legal advice.

This SRIRA Report was prepared solely for Kenan and the contents herein may not be used or relied upon by any other person without the express written consent and authorization of EPI.

Tables

Table 1
Summary of Well Survey Data and Groundwater Elevation
Spill Response and Interim Remedial Action Report
Kenan Advantage Group, Inc.
Gasoline Tanker Spill Site
Mile Marker 80, I-90, Cle Elum, Washington

| Well ID | Top of Casing Elevation ^a | X | Y | Date | Depth to Groundwater (feet) | Groundwater Elevation ^a |
|---------|--------------------------------------|----------|----------|----------|-----------------------------|------------------------------------|
| MW-1 | 1980.6 | 3038.549 | -245.51 | 12/14/15 | 9.01 | 1971.59 |
| | | | | 12/15/15 | 9.06 | 1971.54 |
| | | | | 12/16/15 | 9.08 | 1971.52 |
| | | | | 12/17/15 | 9.06 | 1971.54 |
| | | | | 12/18/15 | 9.09 | 1971.51 |
| | | | | 12/21/15 | 9.19 | 1971.41 |
| | | | | 12/22/15 | 9.20 | 1971.40 |
| | | | | 12/29/16 | 9.30 | 1971.30 |
| | | | | 1/5/16 | 9.32 | 1971.28 |
| | | | | 1/11/16 | 9.32 | 1971.28 |
| | | | | 2/4/16 | 9.15 | 1971.45 |
| | | | | 2/22/16 | 8.92 | 1971.68 |
| 3/9/16 | 8.84 | 1971.76 | | | | |
| MW-2 | 1978.54 | 2903.371 | -243.374 | 12/14/16 | 6.94 | 1971.60 |
| | | | | 12/15/15 | 6.98 | 1971.56 |
| | | | | 12/16/15 | 7.01 | 1971.53 |
| | | | | 12/17/15 | 6.99 | 1971.55 |
| | | | | 12/18/15 | 7.03 | 1971.51 |
| | | | | 12/21/15 | 7.14 | 1971.40 |
| | | | | 12/22/15 | 7.15 | 1971.39 |
| | | | | 12/29/16 | 7.27 | 1971.27 |
| | | | | 1/5/16 | 7.38 | 1971.16 |
| | | | | 1/11/16 | 7.35 | 1971.19 |
| | | | | 1/25/16 | 7.16 | 1971.38 |
| | | | | 2/4/16 | 7.15 | 1971.39 |
| | | | | 2/16/16 | 6.66 | 1971.88 |
| | | | | 2/22/16 | 6.91 | 1971.63 |
| 3/9/16 | 6.94 | 1971.60 | | | | |
| MW-3 | 1977.58 | 3204.793 | -210.185 | 12/14/16 | 6.17 | 1971.41 |
| | | | | 12/15/15 | 6.12 | 1971.46 |
| | | | | 12/16/15 | 6.13 | 1971.45 |
| | | | | 12/17/15 | 6.11 | 1971.47 |
| | | | | 12/18/15 | 6.15 | 1971.43 |
| | | | | 12/21/15 | 6.21 | 1971.37 |
| | | | | 12/22/15 | 6.21 | 1971.37 |
| | | | | 12/29/16 | 6.30 | 1971.28 |
| | | | | 1/5/16 | 6.40 | 1971.18 |
| | | | | 1/11/16 | 6.31 | 1971.27 |
| | | | | 2/4/16 | 6.19 | 1971.39 |
| | | | | 2/22/16 | 5.99 | 1971.59 |
| 3/9/16 | 6.01 | 1971.57 | | | | |
| MW-4 | 1979.16 | 3196.019 | -134.589 | 12/14/16 | 7.46 | 1971.70 |
| | | | | 12/15/15 | 7.50 | 1971.66 |
| | | | | 12/16/15 | 7.51 | 1971.65 |
| | | | | 12/17/15 | 7.50 | 1971.66 |
| | | | | 12/18/15 | 7.55 | 1971.61 |
| | | | | 12/21/15 | 7.60 | 1971.56 |
| | | | | 12/22/15 | 7.60 | 1971.56 |
| | | | | 12/29/16 | 7.68 | 1971.48 |
| | | | | 1/5/16 | 7.80 | 1971.36 |
| | | | | 1/11/16 | 7.84 | 1971.32 |
| | | | | 1/15/16 | 7.55 | 1971.61 |
| | | | | 2/4/16 | 7.63 | 1971.53 |
| | | | | 2/16/16 | 7.12 | 1972.04 |
| 2/22/16 | 7.48 | 1971.68 | | | | |
| 3/9/16 | 7.40 | 1971.76 | | | | |
| MW-5 | 1978.48 | 2972.422 | -246.270 | 12/14/16 | 6.92 | 1971.56 |
| | | | | 12/15/15 | 6.94 | 1971.54 |
| | | | | 12/16/15 | 6.96 | 1971.52 |
| | | | | 12/17/15 | 6.93 | 1971.55 |
| | | | | 12/18/15 | 6.97 | 1971.51 |
| | | | | 12/21/15 | 7.08 | 1971.40 |
| | | | | 12/22/15 | 7.09 | 1971.39 |
| | | | | 12/29/16 | 7.21 | 1971.27 |
| | | | | 1/5/16 | 7.27 | 1971.21 |
| | | | | 1/11/16 | 7.29 | 1971.19 |
| | | | | 1/25/16 | 7.09 | 1971.39 |
| | | | | 2/4/16 | 7.09 | 1971.39 |
| | | | | 2/16/16 | 6.59 | 1971.89 |
| 2/22/16 | 6.83 | 1971.65 | | | | |
| 3/9/16 | 6.85 | 1971.63 | | | | |

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Kenan Advantage Group, Inc.
Gasoline Tanker Spill Site
Mile Marker 80, I-90, Cle Elum, Washington

| Well ID | Top of Casing Elevation ^a | X | Y | Date | Depth to Groundwater (feet) | Groundwater Elevation ^a |
|---------|--------------------------------------|----------|----------|----------|-----------------------------|------------------------------------|
| MW-6 | 1984.85 | 2792.409 | -147.031 | 12/14/16 | 12.62 | 1972.23 |
| | | | | 12/15/15 | 12.69 | 1972.16 |
| | | | | 12/16/15 | 12.72 | 1972.13 |
| | | | | 12/17/15 | 12.70 | 1972.15 |
| | | | | 12/18/15 | 12.74 | 1972.11 |
| | | | | 12/21/15 | 12.82 | 1972.03 |
| | | | | 12/22/15 | 12.83 | 1972.02 |
| | | | | 12/29/16 | 13.03 | 1971.82 |
| | | | | 1/5/16 | 13.14 | 1971.71 |
| | | | | 1/11/16 | 13.17 | 1971.68 |
| | | | | 2/4/16 | 12.02 | 1972.83 |
| 2/22/16 | 12.67 | 1972.18 | | | | |
| 3/9/16 | 12.68 | 1972.17 | | | | |
| MW-7 | 1977.68 | 2835.793 | -243.886 | 1/5/16 | 6.32 | 1971.36 |
| | | | | 1/11/16 | 6.32 | 1971.36 |
| | | | | 2/4/16 | 6.08 | 1971.60 |
| | | | | 2/16/16 | 5.59 | 1972.09 |
| | | | | 2/22/16 | 5.83 | 1971.85 |
| | | | | 3/9/16 | 5.86 | 1971.82 |
| MW-8 | 1974.86 | 3041.453 | -369.868 | 1/5/16 | 4.32 | 1970.54 |
| | | | | 1/11/16 | 4.31 | 1970.55 |
| | | | | 1/25/16 | 4.17 | 1970.69 |
| | | | | 2/4/16 | 4.16 | 1970.70 |
| | | | | 2/16/16 | 3.70 | 1971.16 |
| | | | | 2/22/16 | 3.92 | 1970.94 |
| | | | | 3/9/16 | 3.97 | 1970.89 |
| MW-9 | 1976.74 | 2973.435 | -374.564 | 1/5/16 | 6.25 | 1970.49 |
| | | | | 1/11/16 | 6.26 | 1970.48 |
| | | | | 1/25/16 | 6.09 | 1970.65 |
| | | | | 2/4/16 | 6.09 | 1970.65 |
| | | | | 2/16/16 | 5.64 | 1971.10 |
| | | | | 2/22/16 | 5.85 | 1970.89 |
| | | | | 3/9/16 | 5.89 | 1970.85 |
| MW-10 | 1976.44 | 2922.928 | -383.431 | 1/5/16 | 5.85 | 1970.59 |
| | | | | 1/11/16 | 5.86 | 1970.88 |
| | | | | 2/4/16 | 5.65 | 1971.09 |
| | | | | 2/22/16 | 5.43 | 1971.31 |
| | | | | 3/9/16 | 5.48 | 1970.96 |
| MW-11 | 1976.62 | 2934.221 | -429.147 | 1/5/16 | 6.33 | 1970.29 |
| | | | | 1/11/16 | 6.34 | 1970.40 |
| | | | | 2/4/16 | 6.14 | 1970.60 |
| | | | | 2/22/16 | 5.93 | 1970.81 |
| | | | | 3/9/16 | 5.98 | 1970.64 |
| MW-12 | 1980.94 | 3005.992 | -310.037 | 1/25/16 | 10.10 | 1970.84 |
| | | | | 2/4/16 | 10.12 | 1970.82 |
| | | | | 2/22/16 | 9.84 | 1971.10 |
| | | | | 3/9/16 | 9.89 | 1971.05 |
| MW-13 | 1986.89 | 2891.901 | -144.270 | 3/9/16 | 14.80 | 1972.09 |
| MW-14 | 1987.68 | 3011.967 | -146.878 | 3/9/16 | 15.13 | 1961.49 |

Notes:

a Measured in feet above mean sea level

Table 2
 Summary of Analytical Results for TEE Samples
 Spill Response and Interim Remedial Action Report
 Kenan Advantage Group, Inc.
 Gasoline Tanker Spill Site
 Mile Marker 80, I-90, Cle Elum, Washington

| Sample Location | Sample Date | GRO ^a | Benzene ^b | Toluene ^b | Ethylbenzene ^b | Total Xylenes ^b |
|--|-------------|------------------|----------------------|----------------------|---------------------------|----------------------------|
| TEE-3a | 1/27/16 | 490 | 0.93 | 55 | 11 | 89 |
| TEE-3b | 1/27/16 | 420 | 0.65 | 39 | 9.0 | 67 |
| TEE-3c | 1/27/16 | 570 | 1.2 | 68 | 13 | 100 |
| TEE-3d | 1/27/16 | 370 | 0.53 | 30 | 8.2 | 54 |
| TEE-3e | 1/27/16 | 440 | 0.50 | 35 | 9.8 | 68 |
| Mean Concentration | | 458 | 0.76 | 45 | 10.2 | 76 |
| Worm Tissue 50% A | | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| Worm Tissue 50% B | | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| Worm Tissue 50% C | | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| Calculated Bioaccumulation Factor (BAF) | | 0.002 | 0.01 | 0.0002 | 0.001 | 0.0004 |

Notes:

All results presented in milligrams/kilogram (mg/kg).

Bold Bold results indicate that the compound was detected.

a Analyzed by NWTPH-Gx.

b Analyzed by EPA Method 8021B.

c Cleanup level is 30 when Benzene is present, and 100 when not present.

Compounds:

GRO Gasoline-range organics

Table 3
 Summary of Analytical Results for Test Pit Soil Samples
 Spill Response and Interim Remedial Action Report
 Kenan Advantage Group, Inc.
 Gasoline Tanker Spill Site
 Mile Marker 80, I-90, Cle Elum, Washington

| Test Pit Location | Sample ID | Sample Depth (feet) | Sample Date | GRO ^a | Benzene ^b | Toluene ^b | Ethylbenzene ^b | Total Xylenes ^b |
|--|-----------|---------------------|-------------|-----------------------|----------------------|----------------------|---------------------------|----------------------------|
| T-1 | T1:5' | 5 | 12/8/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| | T1:10' | 10 | 12/8/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| T-2 | T2-N:5' | 5 | 12/8/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| | T2-N:10' | 10 | 12/8/15 | <2 | <0.02 | 0.061 | <0.02 | 0.077 |
| | T2-CD:2' | 2 | 12/8/15 | 19,000 | 64 | 1,500 | 290 | 1,600 |
| T-3 | T3-S 5' | 5 | 12/9/15 | <2 | <0.02 | 0.025 | <0.02 | <0.06 |
| | T3-S 10' | 10 | 12/9/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| T-4 | TP4:12 | 12 | 12/16/15 | <2 | 0.024 | 0.16 | <0.02 | <0.06 |
| T-5 | TP5:12 | 12 | 12/16/15 | <2 | 0.026 | 0.3 | <0.02 | 0.15 |
| Selected Soil Cleanup Level ^c | | | | 30^d | 0.03 | 7 | 5.1^e | 9 |

Notes:

All results presented in milligrams/kilogram (mg/kg).

Bold Bold results indicate that the compound was detected.

Shaded cells indicate that the compound was detected at a concentration greater than the cleanup level.

a Analyzed by NWTPH-Gx.

b Analyzed by EPA Method 8021B.

c Unless otherwise indicated, Cleanup Level is based on the MTCA Method A Soil Cleanup Level for Unrestricted Land Uses

d Cleanup level is 30 when benzene is present and the total of toluene, ethylbenzene, and total xylenes are greater than 1% of the total gasoline mixture

e Cleanup level based on terrestrial ecological evaluation (TEE)

Compounds:

GRO Gasoline-range organics

Table 4
Summary of Analytical Results for Excavation Soil Samples
Spill Response and Interim Remedial Action Report
Kenan Advantage Group, Inc.
Gasoline Tanker Spill Site
Mile Marker 80, I-90, Cle Elum, Washington

| Sample Location | Sample Depth (feet) | Sample Date | GRO ^a | Benzene ^b | Toluene ^b | Ethylbenzene ^b | Total Xylenes ^b | Final Performance Sample |
|-----------------|---------------------|-------------|------------------|----------------------|----------------------|---------------------------|----------------------------|--------------------------|
| E0-S25-6S | 6 | 12/15/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| E0-S30-10S | 10 | 12/15/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| O-S33-8-S | 8 | 12/13/15 | 3.3 | 0.039 | 0.050 | <0.02 | <0.06 | |
| O-S37-10-S | 10 | 12/13/15 | <2 | <0.02 | 0.046 | <0.02 | <0.06 | X |
| E0-S46-10S | 10 | 12/15/15 | <2 | 0.077 | 0.40 | <0.02 | <0.06 | |
| E0-S49-10S | 10 | 12/17/15 | <2 | <0.02 | 0.086 | <0.02 | <0.06 | X |
| E0-S52-7S | 7 | 12/15/15 | <2 | <0.02 | 0.10 | <0.02 | <0.06 | X |
| E0-S60-4s | 4 | 1/6/16 | 1,900 | 2.0 j | 130 | 37 | 200 | |
| O-S60-7.5B | 7.5 | 1/20/16 | <2 | <0.02 | 0.056 | <0.02 | <0.06 | X |
| O-S66-4S | 4 | 1/20/16 | 770 | 1.0 | 46 | 14 | 81 | |
| E-5-S30-16B | 16 | 12/16/15 | 3.2 | <0.02 | 0.094 | 0.03 | 0.2 | X |
| E10-S43-8-S | 8 | 12/13/15 | 26 | 0.049 | 1.6 | 0.47 | 2.5 | |
| E10-S60-8.5B | 8.5 | 1/21/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| E10-S66-7S | 7 | 1/21/16 | <2 | 0.026 | 0.10 | <0.02 | <0.06 | |
| E13-S66-4S | 4 | 1/21/16 | <2 | <0.02 | 0.055 | <0.02 | <0.06 | X |
| E15-S25-12s | 12 | 12/14/15 | <2 | <0.02 | 0.026 | <0.02 | <0.06 | X |
| E15-S28-18B | 18 | 12/16/15 | <2 | <0.02 | 0.038 | <0.02 | <0.06 | X |
| E15-S30-16s | 16 | 12/14/15 | <2 | <0.02 | 0.027 | <0.02 | <0.06 | X |
| E15-S42-16s | 16 | 12/14/15 | <2 | <0.02 | <0.02 | <0.02 | 0.078 | X |
| E15-S46-11s | 11 | 12/14/15 | 2.2 | <0.02 | 0.054 | <0.02 | 0.13 | X |
| E15-S50-C:4 | 4 | 12/14/15 | 5,000 | 15 | 380 | 83 | 480 | |
| E20-S45-7.0-C | 7 | 12/13/15 | 2,300 | 6.5 | 260 | 36 | 330 | |
| E20-S60-8B | 8 | 1/21/16 | <2 | <0.02 | 0.027 | <0.02 | <0.06 | X |
| E20-S66-7S | 7 | 1/21/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| E23-S66-3S | 3 | 1/21/16 | <2 | <0.02 | 0.023 | <0.02 | <0.06 | X |
| E26-S45-15S | 15 | 12/16/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| E26-S62-3S | 3 | 1/21/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| E26-S62-6.5S | 6.5 | 1/21/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| E27-S22-16S | 16 | 12/16/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| E27-S23-10S | 10 | 12/16/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| E28-S44-9S | 9 | 12/16/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| E30-S32-18B | 18 | 12/16/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| E30-S52-4S | 4 | 12/31/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | |
| E38-S21-6S | 6 | 12/17/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| E40-S19-6S | 6 | 12/17/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| E40-S22-6S | 6 | 12/14/15 | 470 | 1.5 | 37 | 8.7 | 49 | |
| E40-S22-10B | 10 | 12/17/15 | 2.3 | <0.02 | 0.076 | 0.034 | 0.21 | X |
| E40-S24-14S | 14 | 12/14/15 | <2 | <0.02 | 0.028 | <0.02 | <0.06 | X |
| E40-S35-16B | 16 | 12/14/15 | <2 | <0.02 | 0.024 | <0.02 | <0.06 | X |
| E40-S42-14S | 14 | 12/14/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| E40-S44-8S | 8 | 12/14/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| E42-S18-6S | 6 | 12/17/15 | <2 | <0.02 | 0.028 | <0.02 | <0.06 | X |
| E48-S35-12S | 12 | 12/14/15 | <2 | <0.02 | 0.024 | <0.02 | <0.06 | X |
| W5-S36-14B | 14 | 12/16/15 | <2 | <0.02 | 0.083 | 0.024 | 0.17 | X |
| W5-S43-8-S | 8 | 12/13/15 | <2 | <0.02 | 0.023 | <0.02 | <0.06 | X |
| W10-S20-6S | 6 | 12/15/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W10-S25-10S | 10 | 12/15/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W10-S42-12S | 12 | 12/15/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | |
| W10-S49-8S | 8 | 12/15/15 | <2 | <0.02 | 0.044 | <0.02 | <0.06 | X |
| W10-S60-4s | 4 | 1/6/16 | 2,900 | 4.8 | 190 | 53 | 270 | |
| W10-S62-8B | 8 | 1/20/16 | <2 | <0.02 | 0.026 | <0.02 | <0.06 | X |
| W10-S66-3S | 3 | 1/20/16 | 360 | 2.6 | 40 | 7.1 | 39 | |
| W13-S33-7-S | 7 | 12/13/15 | <2 | <0.02 | 0.057 | <0.02 | <0.06 | X |
| W18-S45-7-S | 7 | 12/13/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W18-S60-4s | 4 | 12/19/15 | 13 | 0.48 | 3.1 | 0.23 | 1.3 | |
| W18-S62-5.5B | 5.5 | 1/13/16 | <2 | <0.02 | 0.041 | 0.022 | 0.15 | X |
| W18-S66-4S | 4 | 1/13/16 | 330 | 0.56 | 17 | 7.1 | 40 | |
| W20-S21-7S | 7 | 12/31/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W20-S21-12S | 12 | 12/31/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W20-S27-6S | 6 | 12/16/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W20-S30-10S | 10 | 12/16/15 | <2 | <0.02 | 0.058 | <0.02 | 0.084 | X |
| W20-S30-12B | 12 | 12/15/15 | 140 | 0.18 | 8.0 | 2.6 | 14 | |
| W20-S30-14B | 14 | 12/16/15 | <2 | <0.02 | 0.028 | <0.02 | <0.06 | X |
| W20-S33-14B | 14 | 12/31/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W20-S50-10S | 10 | 12/16/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W20-S52-7S | 7 | 12/16/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W29-S27-11S | 11 | 12/16/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W29-S50-10S | 10 | 12/16/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W30-S25-8S | 8 | 12/16/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W30-S60-4S | 4 | 12/19/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W30-S66-3S | 3 | 1/14/16 | 3,700 | 17 | 290 | 74 | 340 | |
| W30-S66-6S | 6 | 1/14/16 | 4.2 | <0.02 | 0.16 | 0.053 | 0.33 | X |
| W31-S33-12B | 12 | 12/16/15 | <2 | <0.02 | 0.031 | <0.02 | 0.078 | X |
| W32-S52-4S | 4 | 12/16/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W40-S60-8B | 8 | 1/13/16 | 2.3 | <0.02 | <0.02 | <0.02 | 0.10 | X |
| W40-S66-3S | 3 | 1/13/16 | 1,100 | 0.52 | 46 | 24 | 160 | |
| W40-S66-6.5S | 6.5 | 1/13/16 | <2 | <0.02 | 0.30 | 0.044 | 0.25 | X |
| W41-S50-10S | 10 | 12/17/15 | <2 | <0.02 | 0.041 | <0.02 | <0.06 | X |
| W42-S27-6S | 6 | 12/17/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W42-S29-10S | 10 | 12/17/15 | <2 | <0.02 | <0.02 | <0.02 | 0.087 | X |

Table 4
Summary of Analytical Results for Excavation Soil Samples
Spill Response and Interim Remedial Action Report
Kenan Advantage Group, Inc.
Gasoline Tanker Spill Site
Mile Marker 80, I-90, Cle Elum, Washington

| Sample Location | Sample Depth (feet) | Sample Date | GRO ^a | Benzene ^b | Toluene ^b | Ethylbenzene ^b | Total Xylenes ^b | Final Performance Sample |
|-----------------|---------------------|-------------|------------------|----------------------|----------------------|---------------------------|----------------------------|--------------------------|
| W42-S55-6S | 6 | 12/17/15 | 7.8 | 0.30 | 1.6 | 0.1 | 0.55 | |
| W45-S35-11B | 11 | 12/15/15 | 9.6 | <0.02 | 0.35 | 0.13 | 0.85 | X |
| W45-S37-11B | 11 | 12/17/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W53-S52-10S | 10 | 12/17/15 | <2 | 0.13 | 0.43 | <0.02 | <0.06 | |
| W53-S61-11B | 11 | 1/13/16 | 14 | 0.038 | 1.1 | 0.26 | 1.5 | |
| W53-S66-4S | 4 | 1/13/16 | 19 | 0.44 | 3.1 | 0.35 | 2.0 | |
| W53-S66-10S | 10 | 1/13/16 | 39 | 0.19 | 2.9 | 0.88 | 4.2 | |
| W54-S28-5S | 5 | 12/17/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W54-S30-10S | 10 | 12/17/15 | 6.4 | <0.02 | 0.51 | 0.13 | 0.78 | X |
| W54-S55-5S | 5 | 12/17/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W56-S37-11B | 11 | 12/17/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W64-S29-5S | 5 | 12/17/15 | 11 | <0.02 | 0.22 | 0.12 | 0.83 | X |
| W65-S66-4S | 4 | 1/15/16 | 3,200 | 6.4 | 210 | 57 | 320 | |
| W65-S66-8S | 8 | 1/15/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W66-S31-10S | 10 | 12/17/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W66-S50-8S | 8 | 12/17/15 | <2 | 0.022 | 0.099 | <0.02 | <0.06 | X |
| W66-S58-4S | 4 | 12/17/15 | 16 | <0.02 | 0.079 | 0.084 | 0.55 | X |
| W70-S37-11B | 11 | 12/19/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W73-S66-3S | 3 | 1/15/16 | 1,100 | 0.70 | 71 | 22 | 130 | |
| W73-S66-8S | 8 | 1/15/16 | <2 | 0.036 | 0.24 | 0.026 | 0.14 | |
| W76-S27-6S | 6 | 1/4/16 | <2 | <0.02 | 0.028 | <0.02 | <0.06 | X |
| W76-S27-10S | 10 | 1/4/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W76-S30-5s | 5 | 12/19/15 | 16 | <0.02 | 0.71 | 0.27 | 1.7 | X |
| W77-S31-11B | 11 | 1/4/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W77-S53-8s | 8 | 12/19/15 | <2 | <0.02 | 0.066 | <0.02 | <0.06 | X |
| W78-S27-6S | 6 | 1/4/16 | 3.6 | <0.02 | <0.02 | <0.02 | 0.16 | X |
| W78-S27-10S | 10 | 1/4/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W78-S32-10s | 10 | 12/19/15 | 380 | 0.92 | 34 | 8.2 | 46 | X |
| W79-S38-12S | 12 | 1/7/16 | 3.8 | <0.02 | 0.33 | 0.065 | 0.52 | X |
| W79-S48-12S | 12 | 1/7/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W80-S55-3B | 3 | 12/15/15 | 2,800 | 9.2 | 230 | 53 | 270 | |
| W80-S63-8B | 8 | 1/14/16 | <2 | <0.02 | 0.035 | <0.02 | <0.06 | X |
| W80-S66-3S | 3 | 1/14/16 | 4,600 | 17 | 450 | 100 | 550 | |
| W81-S32-12S | 12 | 1/7/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | |
| W81-S40-10B | 10 | 1/4/16 | 910 | 1.2 | 55 | 17 | 100 | |
| W81-S42-15B | 15 | 1/7/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W81-S50-12S | 12 | 1/7/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W88-S30-5S | 5 | 1/4/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W88-S32-8S | 8 | 1/4/16 | 2.2 | <0.02 | 0.054 | <0.02 | <0.06 | X |
| W88-S61-4S | 4 | 1/4/16 | <2 | <0.02 | 0.036 | <0.02 | <0.06 | X |
| W90-S51-8S | 8 | 1/4/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W90-S66-8S | 8 | 1/20/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W90-S66-3S | 3 | 1/20/16 | 3,600 | 1.6 | 250 | 78 | 450 | |
| W92-S32-12S | 12 | 1/7/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W92-S39-10B | 10 | 1/4/16 | 370 | 0.69 | 28 | 6.9 | 37 | |
| W92-S42-15B | 15 | 1/7/16 | 2.3 | <0.02 | 0.27 | 0.044 | 0.28 | X |
| W92-S50-12S | 12 | 1/7/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W94-S38-12S | 12 | 1/7/16 | 21 | 0.024 | 0.98 | 0.34 | 2.1 | X |
| W94-S46-12S | 12 | 1/7/16 | 2.6 | 0.035 | 0.16 | 0.028 | 0.17 | |
| W99-S53-8S | 8 | 1/4/16 | <2 | 0.037 | 0.12 | <0.02 | <0.06 | |
| W99-S62-10B | 10 | 1/14/16 | <2 | <0.02 | 0.12 | <0.02 | <0.06 | X |
| W99-S66-3S | 3 | 1/14/16 | 20 | 0.081 | 1.1 | 0.21 | 1.3 | |
| W99-S66-8S | 8 | 1/14/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W100-S27-8S | 8 | 1/4/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W100-S61-4S | 4 | 1/4/16 | 56 | 0.026 | 1.4 | 0.65 | 4.6 | |
| W101-S26-4S | 4 | 1/4/16 | 2.4 | <0.02 | 0.091 | 0.026 | 0.21 | X |
| W104-S40-10B | 10 | 1/6/16 | <2 | <0.02 | 0.071 | <0.02 | 0.075 | X |
| W110-S28-8s | 8 | 1/6/16 | 3.1 | <0.02 | 0.15 | 0.045 | 0.27 | X |
| W110-S41-10B | 10 | 1/7/16 | 4.9 | 0.054 | 0.18 | 0.035 | 0.20 | |
| W110-S42-12B | 12 | 1/8/16 | 13 | <0.02 | 0.32 | 0.18 | 1.1 | X |
| W110-S51-8s | 8 | 1/6/16 | 3.1 | <0.02 | 0.093 | 0.032 | 0.18 | X |
| W110-S56-10B | 10 | 1/25/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W110-S62-4S | 4 | 1/6/16 | 2,600 | 1.8 j | 160 | 54 | 290 | |
| W110-S66-3S | 3 | 1/25/16 | 3.8 | 0.026 | 0.64 | 0.071 | 0.57 | X |
| W110-S66-8S | 8 | 1/25/16 | <2 | <0.02 | 0.033 | <0.02 | <0.06 | X |
| W111-S22-3s | 3 | 1/6/16 | 29 | <0.02 | 0.57 | 0.31 | 2.3 | X |
| W112-S38-6C | 6 | 1/4/16 | 1,500 | 5.6 | 130 | 31 | 170 | |
| W118-S62-10B | 10 | 1/25/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W118-S66-3S | 3 | 1/25/16 | 7.5 | 0.21 | 1.7 | 0.13 | 0.71 | |
| W118-S66-8S | 8 | 1/25/16 | <2 | <0.02 | 0.023 | <0.02 | <0.06 | X |
| W119-S40-10B | 10 | 1/8/16 | 14 | <0.02 | 0.29 | 0.088 | 0.68 | X |
| W120-S29-8S | 8 | 1/7/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W120-S61-3S | 3 | 1/7/16 | 1,100 | 7.6 | 94 | 18 | 100 | |
| W121-S19-3S | 3 | 1/8/16 | 45 | <0.02 | 0.38 | 0.36 | 2.8 | X |
| W121-S21-3S | 3 | 1/7/16 | 64 | <0.02 | 1.6 | 0.92 | 6.2 | |
| W122-S52-8S | 8 | 1/7/16 | 3.5 | 0.29 | 0.31 | <0.02 | 0.075 | |
| W127-S41-11B | 11 | 1/9/16 | <2 | <0.02 | 0.028 | <0.02 | <0.06 | X |
| W130-S49-8S | 8 | 1/8/16 | 7.5 | 0.057 | 0.90 | 0.13 | 0.79 | |
| W130-S56-10B | 10 | 1/26/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W130-S66-3S | 3 | 1/26/16 | 470 | 0.45 | 25 | 9.2 | 44 | |

Table 4
Summary of Analytical Results for Excavation Soil Samples
Spill Response and Interim Remedial Action Report
Kenan Advantage Group, Inc.
Gasoline Tanker Spill Site
Mile Marker 80, I-90, Cle Elum, Washington

| Sample Location | Sample Depth (feet) | Sample Date | GRO ^a | Benzene ^b | Toluene ^b | Ethylbenzene ^b | Total Xylenes ^b | Final Performance Sample |
|-----------------|---------------------|-------------|------------------|----------------------|----------------------|---------------------------|----------------------------|--------------------------|
| W130-S66-8S | 8 | 1/26/16 | <2 | <0.02 | 0.027 | <0.02 | <0.06 | X |
| W131-S24-3S | 3 | 1/8/16 | 2.7 | <0.02 | <0.02 | <0.02 | 0.081 | X |
| W131-S31-8S | 8 | 1/8/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W132-S61-3S | 3 | 1/8/16 | 170 | 0.091 j | 2.5 | 1.9 | 13 | |
| W138-S42-11B | 11 | 1/11/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W140-S60-10B | 10 | 1/25/16 | <2 | <0.02 | 0.084 | <0.02 | <0.06 | X |
| W140-S66-3S | 3 | 1/25/16 | 70 | 0.50 | 7.4 | 1.2 | 5.8 | |
| W140-S66-8S | 8 | 1/25/16 | <2 | <0.02 | 0.022 | <0.02 | <0.06 | X |
| W141-S28-8S | 8 | 1/9/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W142-S22-3S | 3 | 1/9/16 | 9.1 | <0.02 | 0.12 | 0.064 | 0.62 | X |
| W142-S51-8S | 8 | 1/9/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W143-S61-3S | 3 | 1/9/16 | 400 | <0.02 j | 34 | 8.4 | 49 | |
| W150-S40-10B | 10 | 1/26/16 | 3.1 | 0.078 | 0.63 | 0.041 | 0.22 | |
| W150-S40-11.5B | 11.5 | 1/27/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W151-S66-3S | 3 | 1/28/16 | 8.3 | <0.02 | 0.19 | <0.02 | 0.54 | X |
| W151-S66-6S | 6 | 1/28/16 | 5.9 | 0.12 | 0.54 | 0.026 | 0.51 | |
| W153-S20-3S | 3 | 1/27/16 | <2 | <0.02 | 0.023 | <0.02 | <0.06 | X |
| W153-S22-3s | 3 | 1/11/16 | 67 | <0.02 | 1.2 | 0.86 | 5.4 | |
| W153-S28-8s | 8 | 1/11/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W155-S50-8s | 8 | 1/11/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W155-S60-3s | 3 | 1/11/16 | 48 | <0.02 | 0.066 | <0.02 | 2.1 | |
| W161-S26-8S | 8 | 1/27/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W162-S60-8B | 8 | 1/27/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W162-S66-3S | 3 | 1/27/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | |
| W162-S66-6S | 6 | 1/27/16 | <2 | 0.054 | 0.11 | <0.02 | <0.06 | |
| W163-S41-10B | 10 | 1/26/16 | <2 | <0.02 | 0.032 | <0.02 | <0.06 | X |
| W165-S21-3S | 3 | 1/27/16 | <2 | 0.044 | 0.31 | <0.02 | <0.06 | X |
| W165-S23-3S | 3 | 1/26/16 | 2.2 | 0.047 | 0.50 | <0.02 | 0.085 | X |
| W166-S24-8S | 8 | 1/27/16 | <2 | <0.02 | 0.040 | <0.02 | <0.06 | X |
| W166-S25-10B | 10 | 1/27/16 | <2 | 0.083 | 0.16 | <0.02 | <0.06 | |
| W166-S25-11B | 11 | 1/28/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | |
| W166-S28-8S | 8 | 1/26/16 | 8,300 | 16 | 770 | 190 | 1,100 | |
| W166-S52-8S | 8 | 1/26/16 | 3.7 | <0.02 | 0.38 | 0.069 | 0.39 | X |
| W167-S60-3S | 3 | 1/26/16 | 8.2 | <0.02 | 1.3 | 0.056 | 1.3 | X |
| W171-S66-3S | 3 | 1/28/16 | <2 | <0.02 | 0.033 | <0.02 | <0.06 | X |
| W171-S66-6S | 6 | 1/28/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W175-S42-10B | 10 | 1/27/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W175-S64-2S | 2 | 1/29/16 | 24 | <0.02 | 1.6 | <0.02 | 3.7 | X |
| W176-S21-3S | 3 | 1/27/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W176-S26-8S | 8 | 1/27/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W176-S51-8S | 8 | 1/27/16 | <2 | <0.02 | 0.027 | <0.02 | <0.06 | X |
| W176-S62-3S | 3 | 1/27/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W178-S62-6B | 6 | 1/29/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W178-S66-3S | 2 | 1/29/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W178-S66-5S | 5 | 1/29/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W180-S63-4S | 4 | 1/29/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W180-S64.5-2S | 2 | 1/29/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W187-S24-8S | 8 | 1/29/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W187-S25-10B | 10 | 1/29/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W187-S26-8S | 8 | 1/28/16 | 14 | 0.12 | 0.64 | 0.11 | 0.87 | |
| W187-S42-10B | 10 | 1/28/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W187-S52-8S | 8 | 1/28/16 | <2 | <0.02 | 0.028 | <0.02 | <0.06 | X |
| W187-S62-3S | 3 | 1/28/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W188-S21-3S | 3 | 1/28/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W197-S52-8S | 8 | 1/29/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | |
| W198-S23-3S | 3 | 1/29/16 | 24 | <0.02 | 0.46 | 0.081 | 1.8 | X |
| W198-S26-8S | 8 | 1/29/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W198-S62-3S | 3 | 1/29/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W199-S40-10B | 10 | 1/29/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W205-S41-16S | 16 | 2/8/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W208-S51-8S | 8 | 1/30/16 | <2 | 0.027 | 0.15 | <0.02 | <0.06 | X |
| W208-S60-3S | 3 | 1/30/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W209-S23-3S | 3 | 1/30/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W209-S24-8S | 8 | 1/30/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W210-S41-11B | 11 | 1/30/16 | 20 | <0.02 | 0.21 | <0.02 | 2.4 | X |
| W213-S51-15s | 15 | 2/9/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W215-S27-13s | 13 | 2/9/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W216-S60-12s | 12 | 2/9/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W216-S60-16s | 16 | 2/9/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W219-S62-3s | 3 | 2/9/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W219-S62-8s | 8 | 2/9/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W219-S62-11s | 11 | 2/9/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W219-S62-16s | 16 | 2/9/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W219-S60-20B | 20 | 2/9/16 | <2 | <0.02 | 0.048 | <0.02 | 0.12 | X |
| W220-S15-3S | 3 | 2/8/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W220-S18-8S | 8 | 2/8/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W220-S20-12S | 12 | 2/8/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W220-S20-15S | 15 | 2/8/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W222-S43-20B | 20 | 2/5/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W228-S28-15C | 15 | 2/8/16 | 330 | 0.19 | 13 | 5.3 | 36 | |

Table 4
 Summary of Analytical Results for Excavation Soil Samples
 Spill Response and Interim Remedial Action Report
 Kenan Advantage Group, Inc.
 Gasoline Tanker Spill Site
 Mile Marker 80, I-90, Cle Elum, Washington

| Sample Location | Sample Depth (feet) | Sample Date | GRO ^a | Benzene ^b | Toluene ^b | Ethylbenzene ^b | Total Xylenes ^b | Final Performance Sample |
|--|---------------------|-------------|-----------------------|----------------------|----------------------|---------------------------|----------------------------|--------------------------|
| W228-S26-19B | 19 | 2/9/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W231-S15-3S | 3 | 2/8/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W231-S18-8S | 8 | 2/8/16 | 2.2 | <0.02 | 0.15 | <0.02 | 0.073 | X |
| W231-S20-12S | 12 | 2/8/16 | <2 | <0.02 | <0.02 | <0.02 | 0.088 | X |
| W231-S20-15S | 15 | 2/8/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W232-S49-17s | 17 | 2/9/16 | <2 | <0.02 | 0.034 | <0.02 | <0.06 | X |
| W232-S50-12s | 12 | 2/9/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W232-S52-8s | 8 | 2/9/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W233-S54-3s | 3 | 2/9/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W235-S41-20B | 20 | 2/8/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W242-S19-11S | 11 | 2/8/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W242-S20-15S | 15 | 2/8/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W243-S15-3S | 3 | 2/8/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W243-S17-7S | 7 | 2/8/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W244-S50-7S | 7 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W244-S50-12S | 12 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W244-S50-17S | 17 | 2/11/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W244-S50-17S Dup | 17 | 2/11/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W244-S52-3S | 3 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W245-S20-17S | 17 | 2/8/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 | X |
| W245-S43-20B | 20 | 2/9/16 | <2 | <0.02 | 0.038 | <0.02 | 0.065 | X |
| W250-S30-20B | 20 | 2/11/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W254-S18-3S | 3 | 2/3/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W254-S18-8S | 8 | 2/3/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W254-S20-13S | 13 | 2/3/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W254-S21-17S | 17 | 2/3/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W254-S21-17S Dup | 17 | 2/3/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W256-S50-8S | 8 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W256-S50-8S Dup | 8 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W256-S50-12S | 12 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W256-S50-17S | 17 | 2/11/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W256-S52-3S | 3 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W260-S45-3S | 3 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W260-S45-8S | 8 | 2/10/16 | <10 | <0.02 | 0.15 | 0.068 | 0.55 | X |
| W260-S45-12S | 12 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W260-S45-17S | 17 | 2/11/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W266-S23-5S | 5 | 2/11/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W266-S23-12S | 12 | 2/11/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W266-S23-17S | 17 | 2/11/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| W266-S34-5S | 5 | 2/11/16 | <10 | <0.02 | <0.10 | <0.05 | 0.18 | X |
| W266-S34-12S | 12 | 2/11/16 | <10 | <0.02 | 0.36 | 0.12 | 0.83 | X |
| W266-S34-17S | 17 | 2/11/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 | X |
| Selected Soil Cleanup Level^c | | | 30^d | 0.03 | 7 | 5.1^e | 9 | |

Notes:

All results presented in milligrams/kilogram (mg/kg).

- Bold** Bold results indicate that the compound was detected.
- Shaded cells indicate that the compound was detected at a concentration greater than the cleanup level.
- a Analyzed by NWTPH-Gx.
- b Analyzed by EPA Method 8021B.
- c Unless otherwise indicated, Cleanup Level is based on the MTCA Method A Soil Cleanup Level for Unrestricted Land Uses
- d Cleanup level is 30 when benzene is present and the total of toluene, ethylbenzene, and total xylenes are greater than 1% of the total gasoline mixture
- e Cleanup level based on terrestrial ecological evaluation (TEE)

Compounds:

GRO Gasoline-range organics

Qualifiers:

j The analyte concentration is reported below the lowest calibration standard. The value is an estimate.

Table 5
 Summary of Analytical Results for Direct Push Investigation
 Spill Response and Interim Remedial Action Report Kenan
 Advantage Group, Inc.
 Gasoline Tanker Spill Site
 Mile Marker 80, I-90, Cle Elum, Washington

| Sample Location | Sample Depth (feet) | Sample Date | GRO ^a | Benzene ^b | Toluene ^b | Ethylbenzene ^b | Total Xylenes ^b |
|--|---------------------|-------------|-----------------------|----------------------|----------------------|---------------------------|----------------------------|
| DP-1 | 4 | 2/4/16 | 3,150 | 6.2 | 210 E | 75.8 | 431 |
| | 7 | 2/4/16 | <10 | 0.025 | 0.16 | <0.05 | <0.15 |
| | 7 Dup | 2/4/16 | <10 | 0.025 | 0.17 | <0.05 | 0.15 |
| | 12 | 2/4/16 | <10 | 0.070 | 0.30 | <0.05 | 0.19 |
| | 14 | 2/4/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| DP-2 | 4 | 2/3/16 | 220 | 0.35 | 19 | 4.7 | 26 |
| | 8 | 2/4/16 | 183 | 0.28 | 11.1 | 4.3 | 24.6 |
| | 11.5 | 2/4/16 | <10 | <0.02 | 0.23 | <0.05 | 0.15 |
| DP-3 | 3 | 2/3/16 | <2 | <0.02 | 0.16 | 0.022 | 0.12 |
| | 8 | 2/4/16 | 157 | 0.14 | 6.7 | 3.0 | 17.5 |
| | 12 | 2/4/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| DP-4 | 4 | 2/4/16 | 1,530 | 1.8 | 76.3 | 30.0 | 174 |
| | 8 | 2/4/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| DP-5 | 4 | 2/3/16 | 4.0 | <0.02 | 0.27 | 0.051 | 0.57 |
| | 8 | 2/4/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| | 8 Dup | 2/4/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| | 12 | 2/3/16 | <2 | <0.02 | 0.15 | <0.02 | <0.06 |
| DP-6 | 4 | 2/4/16 | <10 | <0.02 | <0.10 | <0.05 | 0.23 |
| | 8 | 2/3/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| | 12 | 2/3/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| DP-7 | 4 | 2/4/16 | <10 | <0.02 | <0.10 | <0.05 | 0.43 |
| | 8 | 2/12/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| | 12 | 2/3/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| DP-8 | 4 | 2/12/16 | <10 | <0.02 | <0.10 | <0.05 | 0.60 |
| | 4 Dup | 2/12/16 | <10 | <0.02 | <0.10 | <0.05 | 0.18 |
| | 8 | 2/3/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| DP-9 | 4 | 2/12/16 | 1,170 E | 2.75 | 98 E | 31.8 | 173 E |
| | 7.5 | 2/12/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| DP-10 | 4 | 2/12/16 | 1,300 E | 4.2 | 96 E | 27.5 | 151 |
| | 8 | 2/12/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| DP-11 | 4 | 2/12/16 | 72 | 0.26 | 4.7 | 1.3 | 6.9 |
| | 8 | 2/12/16 | 40 | 0.15 | 3.2 | 0.89 | 4.9 |
| | 12 | 2/4/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| DP-12 | 3 | 2/12/16 | 20 | 0.087 | 1.8 | 0.49 | 2.6 |
| | 4.5 | 2/12/16 | 73 | 0.16 | 4.3 | 1.5 | 8.3 |
| | 8 | 2/12/16 | <10 | <0.02 | <0.10 | <0.05 | 0.16 |
| | 8 Dup | 2/12/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| DP-13 | 2 | 2/12/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| | 4 | 2/12/16 | <10 | <0.02 | 0.13 | <0.05 | <0.15 |
| | 7 | 2/4/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| DP-14 | 4 | 2/4/16 | 12 | <0.02 | <0.02 | <0.02 | <0.06 |
| | 8 | 2/12/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| DP-15 | 4 | 2/12/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| | 8 | 2/4/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| DP-16 | 4 | 2/10/16 | <10 | 0.082 | 0.11 | <0.05 | <0.15 |
| | 8 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| | 12 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| DP-17 | 4 | 2/10/16 | 19 | 0.53 | 4.19 | 0.48 | 2.99 |
| | 8 | 2/10/16 | <10 | 0.039 | 0.31 | <0.05 | 0.18 |
| | 12 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| DP-18 | 4 | 2/10/16 | <10 | 0.025 | 0.22 | <0.05 | <0.15 |
| | 8 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| | 12 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| DP-19 | 4 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| | 8 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| | 8 Dup | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| | 12 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| | 12 Dup | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| DP-20 | 4 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| | 8 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| | 12 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| DP-21 | 4 | 2/10/16 | <10 | <0.02 | 0.12 | <0.05 | 0.21 |
| | 8 | 2/10/16 | <10 | 0.087 | 0.61 | 0.056 | 0.26 |
| | 12 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| DP-22 | 4 | 2/10/16 | <10 | 0.012 | 0.093 | <0.05 | <0.15 |
| | 4 Dup | 2/10/16 | <10 | 0.023 | 0.16 | <0.05 | <0.15 |
| | 8 | 2/10/16 | <10 | 0.021 | 0.10 | 0.068 | <0.15 |
| | 12 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| | 12 Dup | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| DP-23:4 | 4 | 2/12/16 | <10 | 0.039 | 0.72 | 0.087 | 0.40 |
| | 8 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| | 12 | 2/10/16 | <10 | <0.02 | <0.10 | <0.05 | <0.15 |
| Selected Soil Cleanup Level ^c | | | 30^d | 0.03 | 7 | 5.1^e | 9 |

Notes:
 All results presented in milligrams/kilogram (mg/kg).
Bold Bold results indicate that the compound was detected.
 Shaded cells indicate that the compound was detected at a concentration greater than the cleanup level.
 a Analyzed by NWTPH-Gx.
 b Analyzed by EPA Method 8260C.
 c Unless otherwise indicated, Cleanup Level is based on the MTCA Method A Soil Cleanup Level for Unrestricted Land Uses
 d Cleanup level is 30 when benzene is present and the total of toluene, ethylbenzene, and total xylenes are greater than 1% of the total gasoline mixture
 e Cleanup level based on terrestrial ecological evaluation (TEE)
 Compounds:
 GRO Gasoline-range organics
 Qualifiers:
 E Indicates the reported result is an estimate because it exceeds the calibration range.


Table 6
Summary of Analytical Results for Stockpile Soil Samples
Spill Response and Interim Remedial Action Report
Kenan Advantage Group, Inc.
Gasoline Tanker Spill Site
Mile Marker 80, I-90, Cle Elum, Washington

| Sample Location | | Sample Depth (feet) | Sample Date | GRO ^a | Benzene ^b | Toluene ^b | Ethylbenzene ^b | Total Xylenes ^b |
|--|------|---------------------|-------------|-----------------------|----------------------|----------------------|---------------------------|----------------------------|
| STOCK PILE | SP1 | NA | 12/14/15 | 500 | 0.86 | 29 | 9.7 | 45 |
| | SP2 | NA | 12/14/15 | 1,000 | 1.6 | 62 | 17 | 93 |
| | SP3 | NA | 12/14/15 | 660 | 1.2 | 40 | 13 | 58 |
| | SP4 | NA | 12/14/15 | 400 | 0.66 | 24 | 7.6 | 38 |
| | SP5 | NA | 12/14/15 | 2,300 | 7.1 | 170 | 42 | 210 |
| | SP6 | NA | 1/6/16 | 3,600 | 8.1 | 270 | 71 | 350 |
| | SP7 | NA | 1/6/16 | 3,100 | 7.5 | 240 | 61 | 300 |
| | SP8 | NA | 1/6/16 | 6,100 | 38 | 490 | 120 | 580 |
| | SP9 | NA | 1/28/16 | 76 | <0.02 | 5.8 | 1.3 | 11 |
| | SP10 | NA | 1/28/16 | 2,500 | 14 | 220 | 56 | 270 |
| | SP11 | NA | 1/28/16 | 180 | 0.28 | 12 | 3.9 | 22 |
| Selected Soil Cleanup Level^c | | | | 30^d | 0.03 | 7 | 5.1^e | 9 |

Notes:

All results presented in milligrams/kilogram (mg/kg).

Bold Bold results indicate that the compound was detected.

 Shaded cells indicate that the compound was detected at a concentration greater than the cleanup level.

a Analyzed by NWTPH-Gx.

b Analyzed by EPA Method 8021B.

c Unless otherwise indicated, Cleanup Level is based on the MTCA Method A Soil Cleanup Level for Unrestricted Land Uses

d Cleanup level is 30 when benzene is present and the total of toluene, ethylbenzene, and total xylenes are greater than 1% of the total gasoline mixture

e Cleanup level based on terrestrial ecological evaluation (TEE)

Compounds:

GRO Gasoline-range organics

Table 7
 Summary of Analytical Results for Monitoring Well Installation
 Spill Response and Interim Remedial Action Report
 Kenan Advantage Group, Inc.
 Gasoline Tanker Spill Site
 Mile Marker 80, I-90, Cle Elum, Washington

| Sample Location | Sample Depth (feet) | Sample Date | GRO ^a | Benzene ^b | Toluene ^b | Ethylbenzene ^b | Total Xylenes ^b |
|--|---------------------|-------------|-----------------------|----------------------|----------------------|---------------------------|----------------------------|
| MW-1 | 6 | 12/9/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| | 13 | 12/9/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| MW-2 | 2.5 | 12/10/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| | 7 | 12/10/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| MW-3 | 2.5 | 12/10/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| MW-4 | 5 | 12/10/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| MW-5 | 5 | 12/10/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| | 7.5 | 12/10/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| MW-6 | 2.5 | 12/11/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| | 7.5 | 12/11/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| | 13.5 | 12/11/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| MW-7 | 5 | 12/29/15 | <2 | <0.02 | 0.040 | <0.02 | <0.06 |
| | 10 | 12/29/15 | <2 | <0.02 | 0.028 | <0.02 | <0.06 |
| MW-8 | 4 | 12/29/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| MW-9 | 4 | 12/29/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| MW-10 | 4 | 12/29/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| | 9 | 12/29/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| MW-11 | 4 | 12/30/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| | 7.5 | 12/30/15 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| MW-12 | 6 | 1/19/16 | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| Selected Soil Cleanup Level^c | | | 30^d | 0.03 | 7 | 5.1^e | 9 |

Notes:

All results presented in milligrams/kilogram (mg/kg).

Bold Bold results indicate that the compound was detected.

Shaded Shaded cells indicate that the compound was detected at a concentration greater than the cleanup level.

a Analyzed by NWTPH-Gx.

b Analyzed by EPA Method 8021B.

c Unless otherwise indicated, Cleanup Level is based on the MTCA Method A Soil Cleanup Level for Unrestricted Land Uses

d Cleanup level is 30 when benzene is present and the total of toluene, ethylbenzene, and total xylenes are greater than 1% of the total gasoline mixture

e Cleanup level based on terrestrial ecological evaluation (TEE)

Compounds:

GRO Gasoline-range organics

Table 8
 Summary of Analytical Results for Pond Surface Water Samples
 Spill Response and Interim Remedial Action Report
 Kenan Advantage Group, Inc.
 Gasoline Tanker Spill Site
 Mile Marker 80, I-90, Cle Elum, Washington

| Sample Location | Sample Date | GRO ^a | Benzene ^b | Toluene ^b | Ethylbenzene ^b | Total Xylenes ^b |
|---|-------------|------------------------|----------------------|----------------------|---------------------------|----------------------------|
| PW-1 | 12/18/15 | <100 | <1 | <1 | <1 | <3 |
| PW-1-2 | 12/21/15 | <100 | <1 | <1 | <1 | <3 |
| PW-1-3 | 12/22/15 | <100 | <1 | <1 | <1 | <3 |
| PW-1-4 | 12/29/15 | <100 | <1 | <1 | <1 | <3 |
| PW-1-5 | 12/30/15 | <100 | <1 | <1 | <1 | <3 |
| PW-1-6 | 12/31/15 | <100 | <1 | <1 | <1 | <3 |
| PW-1-7 | 1/4/16 | <100 | <1 | <1 | <1 | <3 |
| PW-1-8 | 1/6/16 | <100 | <1 | <1 | <1 | <3 |
| | 1/27/16 | <100 | <1 | <1 | <1 | <3 |
| PW-1-9 | 1/7/16 | <100 | <1 | <1 | <1 | <3 |
| PW-2-1 | 12/21/15 | <100 | <1 | <1 | <1 | <3 |
| PW-2-2 | 12/22/15 | <100 | <1 | <1 | <1 | <3 |
| PW-2-3 | 12/29/15 | <100 | <1 | <1 | <1 | <3 |
| PW-2-4 | 12/30/15 | <100 | <1 | <1 | <1 | <3 |
| PW-2-5 | 12/31/15 | <100 | <1 | <1 | <1 | <3 |
| PW-2-6 | 1/4/16 | <100 | <1 | <1 | <1 | <3 |
| PW-2-7 | 1/6/16 | <100 | <1 | <1 | <1 | <3 |
| | 1/27/16 | <100 | <1 | <1 | <1 | <3 |
| PW-2-8 | 1/7/16 | <100 | <1 | <1 | <1 | <3 |
| MTCA Method A Cleanup Levels for Groundwater | | 800^c | 5 | 1,000 | 700 | 1,000 |

Notes:

All results presented in milligrams/kilogram (µg/L).

- Bold** Bold results indicate that the compound was detected.
- Shaded cells indicate that the compound was detected at a concentration greater than the cleanup level.
- a Analyzed by NWTPH-Gx.
- b Analyzed by EPA Method 8021B.
- c Cleanup level is 800 when benzene is present

Compounds:

GRO Gasoline-range organics

Table 9
Summary of Analytical Results for Groundwater Samples
Spill Response and Interim Remedial Action Report
Kenan Advantage Group, Inc.
Gasoline Tanker Spill Site
Mile Marker 80, I-90, Cle Elum, Washington

| Sample Location | Sample Date | GRO ^a | Benzene ^b | Toluene ^b | Ethylbenzene ^b | Total Xylenes ^b |
|-----------------|-------------|------------------|----------------------|----------------------|---------------------------|----------------------------|
| MW-1 | 12/14/15 | <100 | 2.1 | 13 | 1.0 | 5.1 |
| | 12/21/15 | <100 | <1 | 2.2 | <1 | <3 |
| | 12/29/15 | <100 | <1 | 1.5 | <1 | <3 |
| | 1/6/16 | <100 | <1 | 1.2 | <1 | <3 |
| | 1/12/16 | <100 | <1 | <1 | <1 | <3 |
| | 2/4/15 | <100 | <1 | <1 | <1 | <3 |
| | 2/23/16 | <100 | <1 | <1 | <1 | <3 |
| | 3/9/16 | <100 | <1 | 1.6 | <1 | <3 |
| MW-2 | 12/14/15 | 580 | 7.6 | 91 | 13 | 77 |
| | 12/21/15 | <100 | <1 | <1 | <1 | <3 |
| | 12/29/15 | <100 | <1 | <1 | <1 | <3 |
| | 1/5/16 | <100 | <1 | 1.7 | <1 | <3 |
| | 1/12/16 | <100 | <1 | 3.1 | <1 | <3 |
| | 1/25/16 | <100 | <1 | 3.1 | <1 | <3 |
| | 2/4/15 | 200 | 4.7 | 36 | 2.6 | 13 |
| | 2/16/16 | <100 | <1 | 1.7 | <1 | <3 |
| | 2/23/16 | <100 | <1 | 1.5 | <1 | <3 |
| | 3/9/16 | <100 | <1 | <1 | <1 | <3 |
| MW-3 | 12/14/15 | <100 | <1 | <1 | <1 | <3 |
| | 12/21/15 | <100 | <1 | 1.4 | <1 | <3 |
| | 12/29/15 | <100 | <1 | 1.3 | <1 | <3 |
| | 1/6/16 | <100 | <1 | 1.1 | <1 | <3 |
| | 1/14/16 | <100 | <1 | <1 | <1 | <3 |
| | 2/5/16 | <100 | <1 | <1 | <1 | <3 |
| | 2/23/16 | <100 | <1 | <1 | <1 | <3 |
| | 3/9/16 | <100 | <1 | <1 | <1 | <3 |
| MW-4 | 12/14/15 | <100 | <1 | <1 | <1 | <3 |
| | 12/21/15 | <100 | <1 | <1 | <1 | <3 |
| | 12/29/15 | <100 | <1 | <1 | <1 | <3 |
| | 1/6/16 | <100 | <1 | <1 | <1 | <3 |
| | 1/14/16 | <100 | <1 | <1 | <1 | <3 |
| | 1/25/16 | <100 | <1 | <1 | <1 | <3 |
| | 2/5/16 | <100 | <1 | <1 | <1 | <3 |
| | 2/16/16 | <100 | <1 | <1 | <1 | <3 |
| | 2/23/16 | <100 | <1 | <1 | <1 | <3 |
| MW-5 | 12/14/15 | 3,700 | 150 | 890 | 35 | 190 |
| | 12/21/15 | 190 | <1 | 5.5 | 2.5 | 13 |
| | 12/29/15 | 340 | <1 | 8.7 | 7.8 | 60 |
| | 1/5/16 | 190 | <1 | <1 | 2.3 | 31 |
| | 1/14/16 | 280 | <1 | 1.2 | <1 | 39 |
| | 1/25/16 | 1,700 | 69 | 330 | 11 | 140 |
| | 2/4/15 | 160 | <1 | 6.7 | <1 | 12 |
| | 2/16/16 | 5,700 | 120 | 1,300 | 11 | 450 |
| | 2/23/16 | <100 | <1 | <1 | <1 | <3 |
| | 3/9/16 | <100 | <1 | 3.5 | <1 | 3.1 |
| MW-6 | 12/14/15 | <100 | <1 | <1 | <1 | <3 |
| | 12/21/15 | <100 | <1 | <1 | <1 | <3 |
| | 12/29/15 | <100 | <1 | <1 | <1 | <3 |
| | 1/6/16 | <100 | <1 | <1 | <1 | <3 |
| | 1/14/16 | <100 | <1 | <1 | <1 | <3 |
| | 2/5/16 | <100 | <1 | <1 | <1 | <3 |
| | 2/23/16 | <100 | <1 | <1 | <1 | <3 |
| | 3/9/16 | <100 | <1 | <1 | <1 | <3 |
| MW-7 | 12/31/15 | <100 | <1 | <1 | <1 | <3 |
| | 1/5/16 | <100 | <1 | <1 | <1 | <3 |
| | 1/12/16 | <100 | <1 | <1 | <1 | <3 |
| | 2/4/15 | <100 | <1 | <1 | <1 | <3 |
| | 2/16/16 | <100 | <1 | <1 | <1 | <3 |
| | 2/23/16 | <100 | <1 | <1 | <1 | <3 |
| MW-8 | 12/31/15 | <100 | <1 | <1 | <1 | <3 |
| | 1/6/16 | <100 | <1 | <1 | <1 | <3 |
| | 1/14/16 | <100 | <1 | <1 | <1 | <3 |
| | 1/25/16 | <100 | <1 | <1 | <1 | <3 |
| | 2/4/15 | <100 | <1 | <1 | <1 | <3 |
| | 2/16/16 | <100 | <1 | <1 | <1 | <3 |
| | 2/23/16 | <100 | <1 | <1 | <1 | <3 |
| MW-9 | 12/31/15 | <100 | <1 | <1 | <1 | <3 |
| | 1/6/16 | <100 | <1 | <1 | <1 | <3 |
| | 1/14/16 | <100 | <1 | <1 | <1 | <3 |
| | 1/25/16 | <100 | <1 | <1 | <1 | <3 |
| | 2/4/15 | <100 | <1 | <1 | <1 | <3 |
| | 2/16/16 | <100 | <1 | <1 | <1 | <3 |
| 2/22/16 | <100 | <1 | <1 | <1 | <3 | |

Table 9
 Summary of Analytical Results for Groundwater Samples
 Spill Response and Interim Remedial Action Report
 Kenan Advantage Group, Inc.
 Gasoline Tanker Spill Site
 Mile Marker 80, I-90, Cle Elum, Washington

| Sample Location | Sample Date | GRO ^a | Benzene ^b | Toluene ^b | Ethylbenzene ^b | Total Xylenes ^b |
|---|-------------|------------------------|----------------------|----------------------|---------------------------|----------------------------|
| MW-10 | 12/31/15 | <100 | <1 | <1 | <1 | <3 |
| | 1/6/16 | <100 | <1 | <1 | <1 | <3 |
| | 1/14/16 | <100 | <1 | <1 | <1 | <3 |
| | 2/4/15 | <100 | <1 | <1 | <1 | <3 |
| | 2/22/16 | <100 | <1 | <1 | <1 | <3 |
| MW-11 | 12/31/15 | <100 | <1 | <1 | <1 | <3 |
| | 1/6/16 | <100 | <1 | <1 | <1 | <3 |
| | 1/14/16 | <100 | <1 | <1 | <1 | <3 |
| | 2/4/15 | <100 | <1 | <1 | <1 | <3 |
| | 2/22/16 | <100 | <1 | <1 | <1 | <3 |
| MW-12 | 1/25/16 | <100 | <1 | <1 | <1 | <3 |
| | 2/4/15 | <100 | <1 | <1 | <1 | <3 |
| | 2/22/16 | <100 | <1 | <1 | <1 | <3 |
| | 3/9/16 | <100 | <1 | <1 | <1 | <3 |
| MW-13 | 3/9/16 | <100 | <1 | <1 | <1 | <3 |
| MW-14 | 3/9/16 | <100 | <1 | <1 | <1 | <3 |
| MTCA Method A Cleanup Levels for Groundwater | | 800^c | 5 | 1,000 | 700 | 1,000 |

Notes:

All results presented in milligrams/kilogram (µg/L).

Bold Bold results indicate that the compound was detected.

Shaded cells Shaded cells indicate that the compound was detected at a concentration greater than the cleanup level.

a Analyzed by NWTPH-Gx.

b Analyzed by EPA Method 8021B.

c Cleanup level is 800 when benzene is present

Compounds:

GRO Gasoline-range organics

Figures

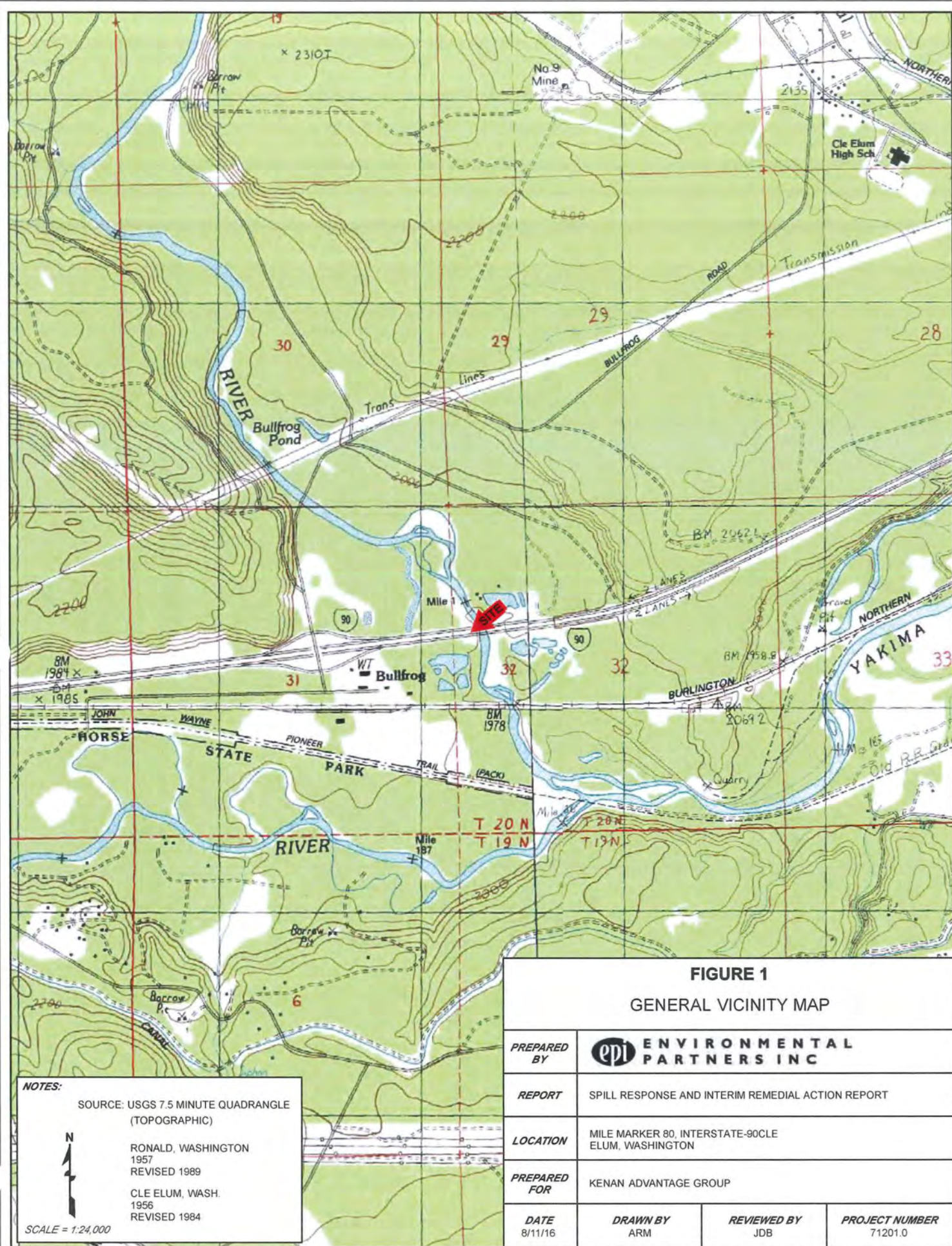

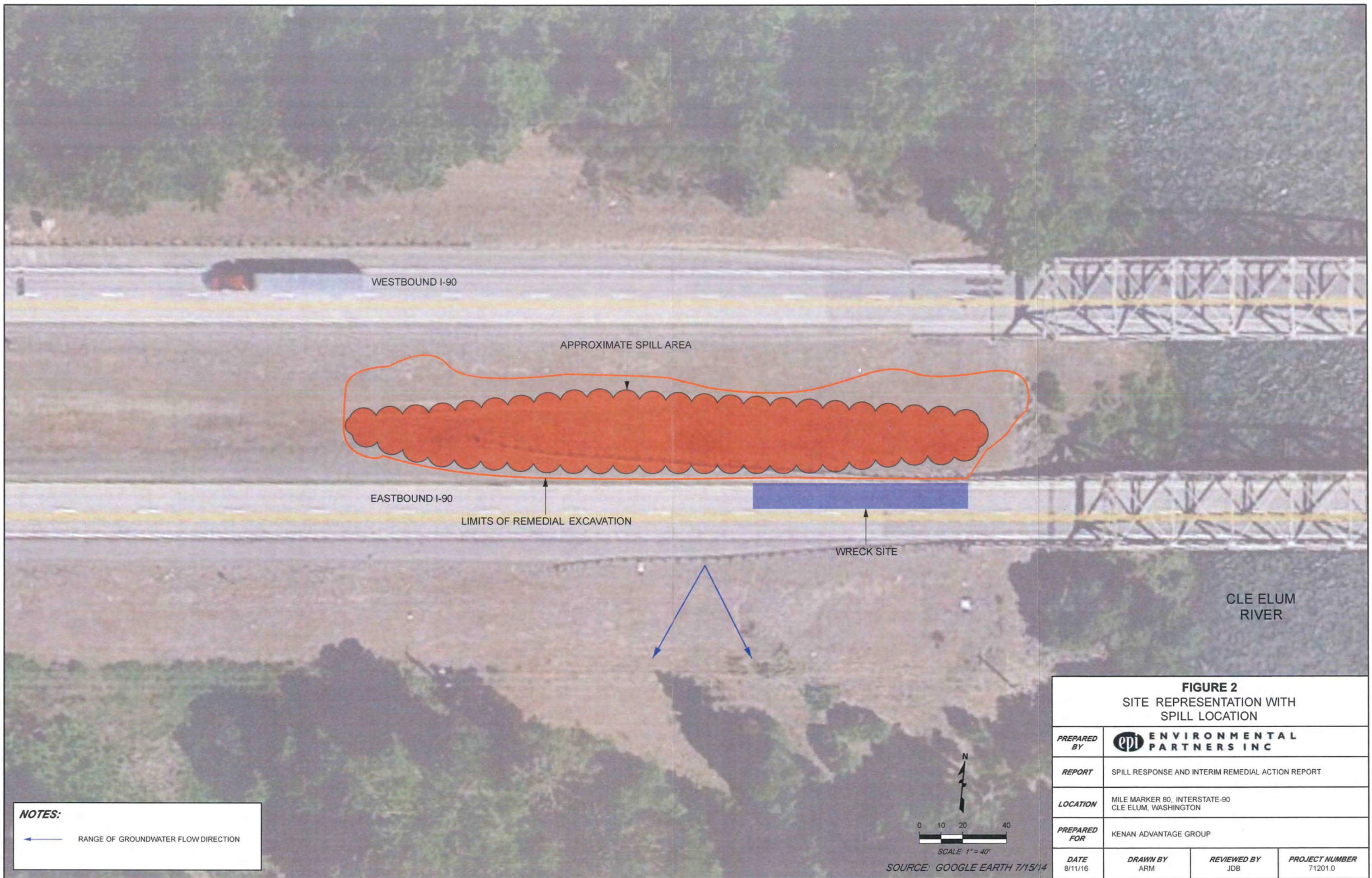



FIGURE 1
GENERAL VICINITY MAP


| | | | |
|--------------|---|-------------|----------------|
| PREPARED BY |  ENVIRONMENTAL PARTNERS INC | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/11/16 | ARM | JDB | 71201.0 |

NOTES:
SOURCE: USGS 7.5 MINUTE QUADRANGLE (TOPOGRAPHIC)
RONALD, WASHINGTON 1957
REVISED 1989
CLE ELUM, WASH. 1956
REVISED 1984

SCALE = 1:24,000



NOTES:
 RANGE OF GROUNDWATER FLOW DIRECTION

| FIGURE 2 SITE REPRESENTATION WITH SPILL LOCATION | | | |
|---|--|--------------------|-----------------------|
| PREPARED BY |  ENVIRONMENTAL PARTNERS INC | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/11/16 | ARM | JDB | 71201.0 |

SCALE: 1" = 40'
 SOURCE: GOOGLE EARTH 7/15/14

NOTES:
 MONITORING WELL LOCATION

RIVER LEVEL SURVEY POINT
 (UNDER THE BRIDGE)



CLE ELUM RIVER

MW-6

MW-13

MW-14

MW-4

MW-7

MW-2

MW-5

MW-1

MW-3

MW-12

MW-9

MW-8

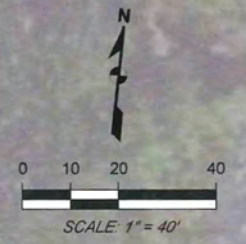
MW-10

MW-11


PW-2

PW-1

POND



SOURCE: GOOGLE EARTH 7/15/14

| FIGURE 3 SITE REPRESENTATION WITH MONITORING WELL LOCATIONS AND SURFACE WATER FEATURES | | | |
|---|--|-------------|----------------|
| PREPARED BY |  ENVIRONMENTAL PARTNERS INC | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/11/16 | ARM | JDB | 71201.0 |

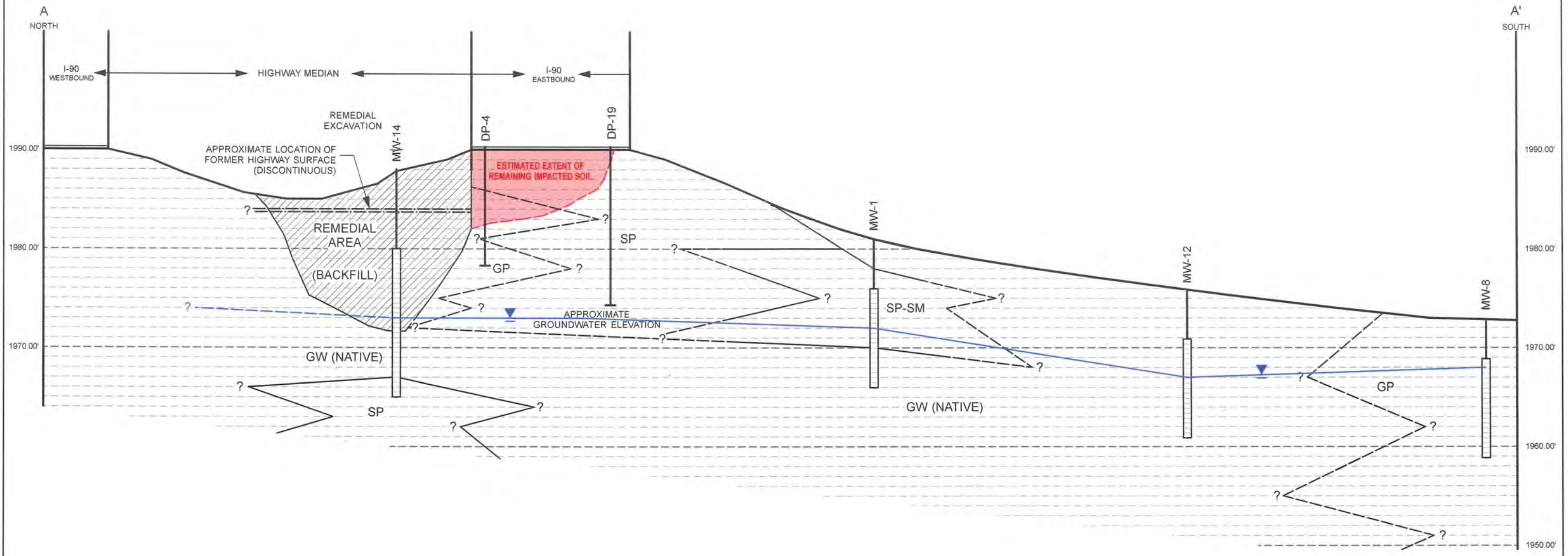

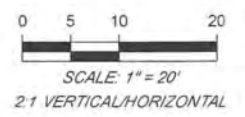


FIGURE 4
CROSS SECTION A-A'

| | | | |
|---------------------|---|--------------------|-----------------------|
| PREPARED BY |  ENVIRONMENTAL PARTNERS INC | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/8/16 | VPB | JDB | 71201.0 |



| T3-S | | | | | |
|-------|-----|-------|--------------|-------|-------|
| DEPTH | GRO | B | T | E | X |
| 5' | <2 | <0.02 | 0.025 | <0.02 | <0.06 |
| 10' | <2 | <0.02 | <0.02 | <0.02 | <0.06 |

| T2-CD | | | | | |
|-------|---------------|-----------|--------------|------------|--------------|
| DEPTH | GRO | B | T | E | X |
| 2' | 19,000 | 64 | 1,500 | 290 | 1,600 |

| T2-N | | | | | |
|-------|-----|-------|--------------|-------|--------------|
| DEPTH | GRO | B | T | E | X |
| 5' | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| 10' | <2 | <0.02 | 0.061 | <0.02 | 0.077 |

| T1 | | | | | |
|-------|-----|-------|-------|-------|-------|
| DEPTH | GRO | B | T | E | X |
| 5' | <2 | <0.02 | <0.02 | <0.02 | <0.06 |
| 10' | <2 | <0.02 | <0.02 | <0.02 | <0.06 |

| TP4 | | | | | |
|-------|-----|--------------|-------------|-------|-------|
| DEPTH | GRO | B | T | E | X |
| 12' | <2 | 0.024 | 0.16 | <0.02 | <0.06 |

| TP5 | | | | | |
|-------|-----|--------------|------------|-------|-------------|
| DEPTH | GRO | B | T | E | X |
| 12' | <2 | 0.026 | 0.3 | <0.02 | 0.15 |

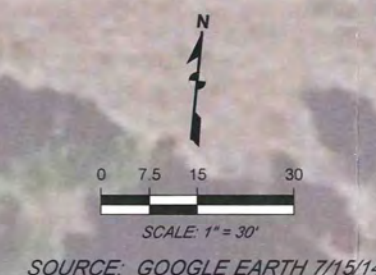
NOTES:

- SAMPLE LOCATION WITH CONCENTRATIONS LESS THAN THE APPLICABLE CLEANUP LEVEL
- SAMPLE LOCATION WITH CONCENTRATIONS GREATER THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL
- DEEP EXCAVATION LIMITS
- T-4 TEST PIT LOCATION

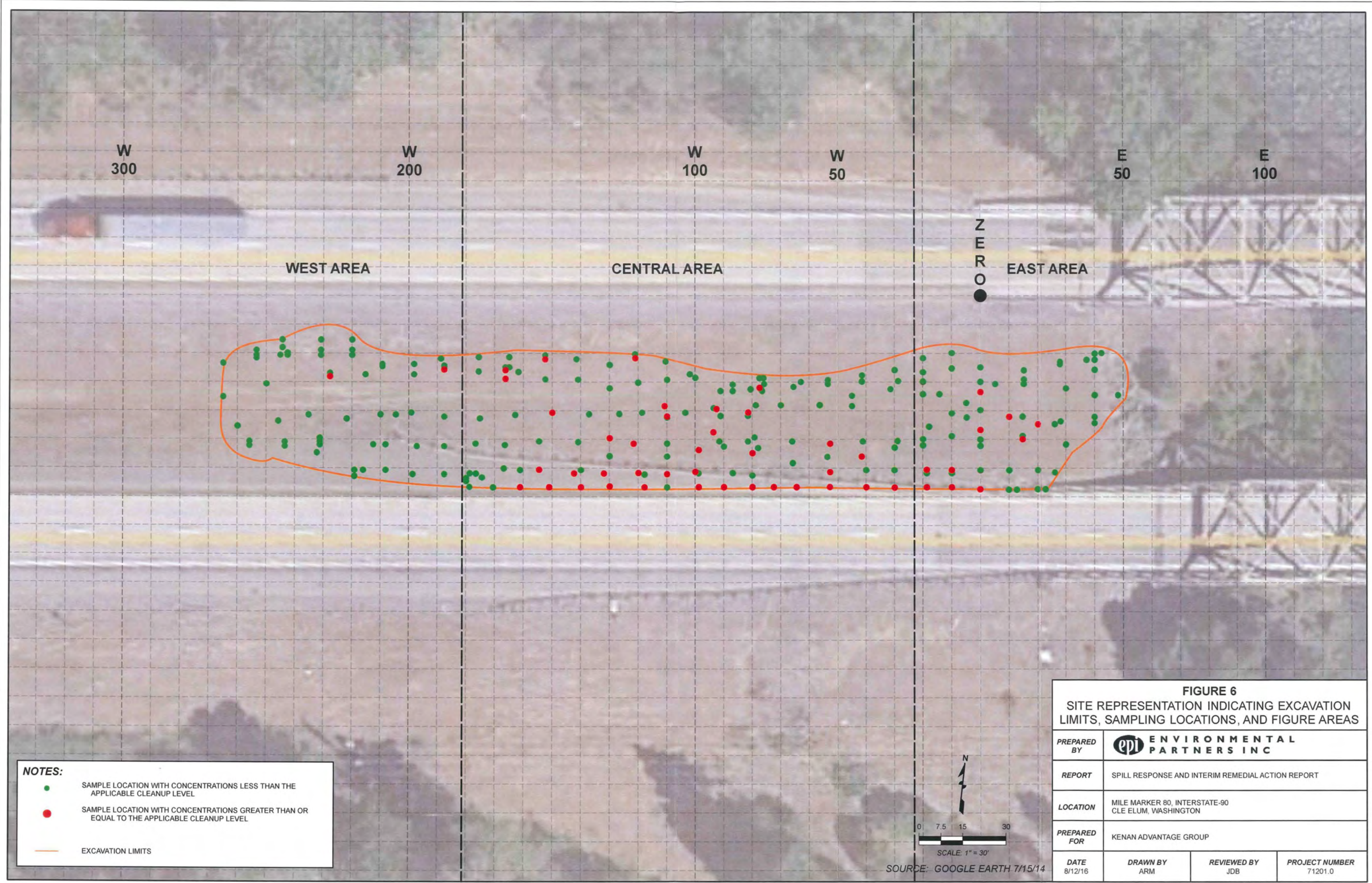
RED = CONCENTRATION IS GREATER THAN THE APPLICABLE CLEANUP LEVEL
 BOLD = DETECTED CONCENTRATION GREATER THAN THE METHOD DETECTION LIMIT.

GRO = GASOLINE-RANGE ORGANICS
 B = BENZENE
 T = TOLUENE
 E = ETHYLBENZENE
 X = XYLENES

ALL SOIL RESULTS IN MILLIGRAMS/KILOGRAM
 ALL WATER RESULTS IN MICROGRAMS/LITER



| FIGURE 5 INITIAL TEST PIT LOCATIONS WITH SOIL ANALYTICAL RESULTS (in mg/kg) | | | |
|---|---|-------------|----------------|
| PREPARED BY | epi ENVIRONMENTAL PARTNERS INC | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/11/16 | ARM | JDB | 71201.0 |



NOTES:

- SAMPLE LOCATION WITH CONCENTRATIONS LESS THAN THE APPLICABLE CLEANUP LEVEL
- SAMPLE LOCATION WITH CONCENTRATIONS GREATER THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL
- EXCAVATION LIMITS

N

 0 7.5 15 30
 SCALE: 1" = 30'
 SOURCE: GOOGLE EARTH 7/15/14

| FIGURE 6 | | | |
|--|---|-------------|----------------|
| SITE REPRESENTATION INDICATING EXCAVATION LIMITS, SAMPLING LOCATIONS, AND FIGURE AREAS | | | |
| PREPARED BY | ENVIRONMENTAL PARTNERS INC | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/12/16 | ARM | JDB | 71201.0 |

EAST AREA

NOTES:

- SAMPLE LOCATION WITH CONCENTRATIONS LESS THAN THE APPLICABLE CLEANUP LEVEL
- SAMPLE LOCATION WITH CONCENTRATIONS GREATER THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL
- DEEP EXCAVATION LIMITS

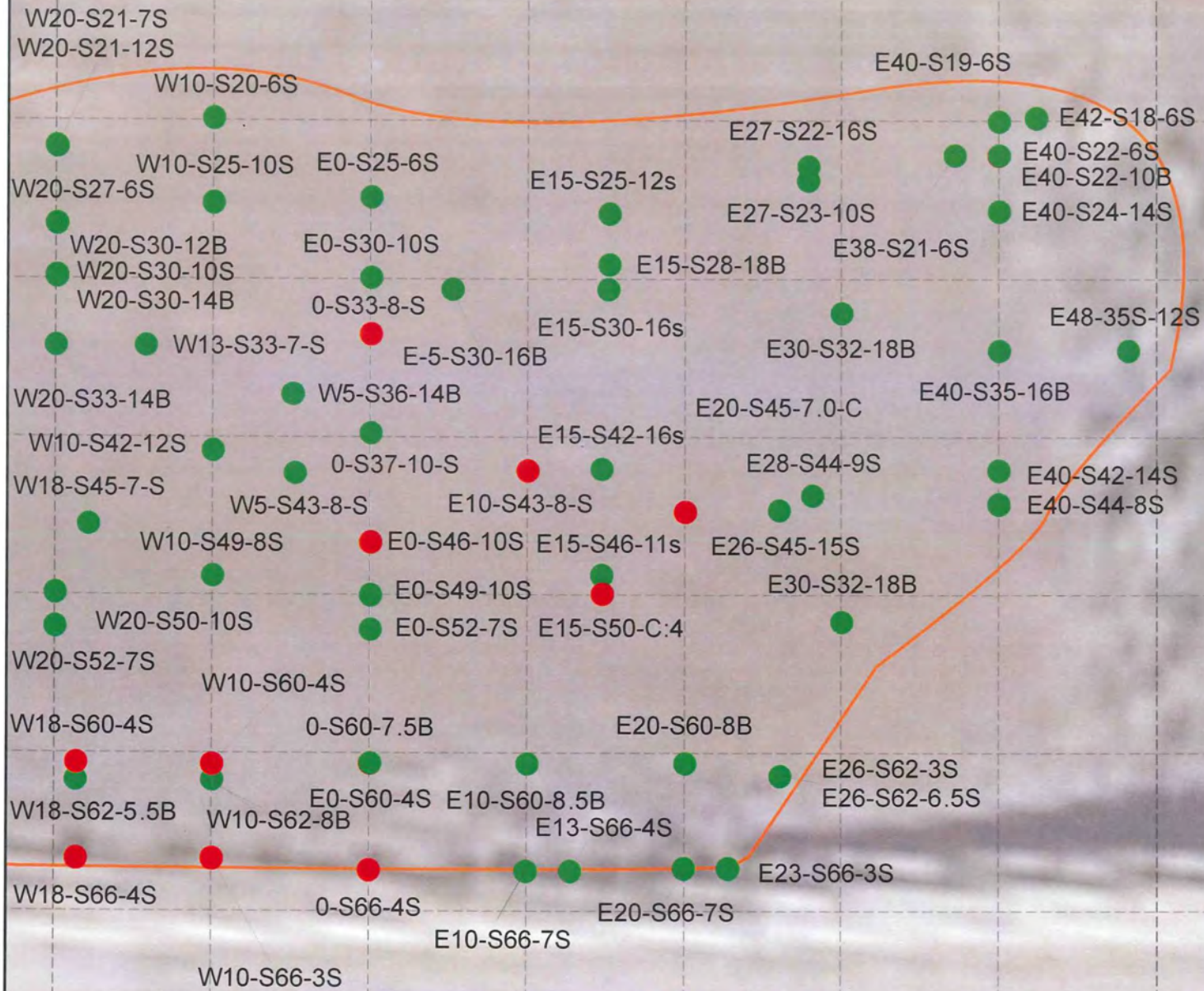


FIGURE 7
EAST AREA EXCAVATION LIMITS WITH PERFORMANCE SAMPLING LOCATIONS

| | | | |
|--------------|---|-------------|----------------|
| PREPARED BY | ENVIRONMENTAL PARTNERS INC | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/11/16 | ARM | JDB | 71201.0 |

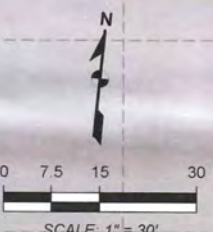
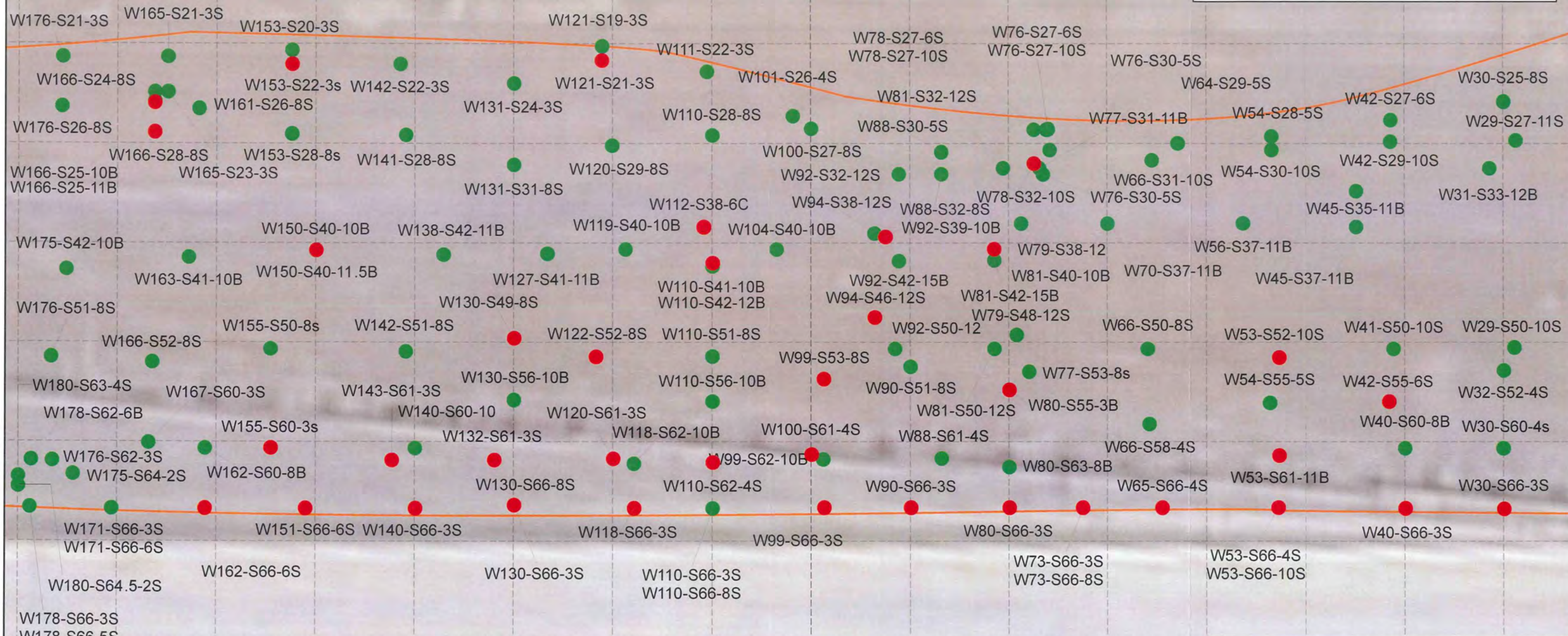
SCALE: 1" = 30'

 SOURCE: GOOGLE EARTH 7/15/14

CENTRAL AREA

NOTES:

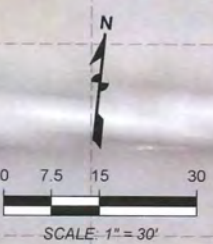
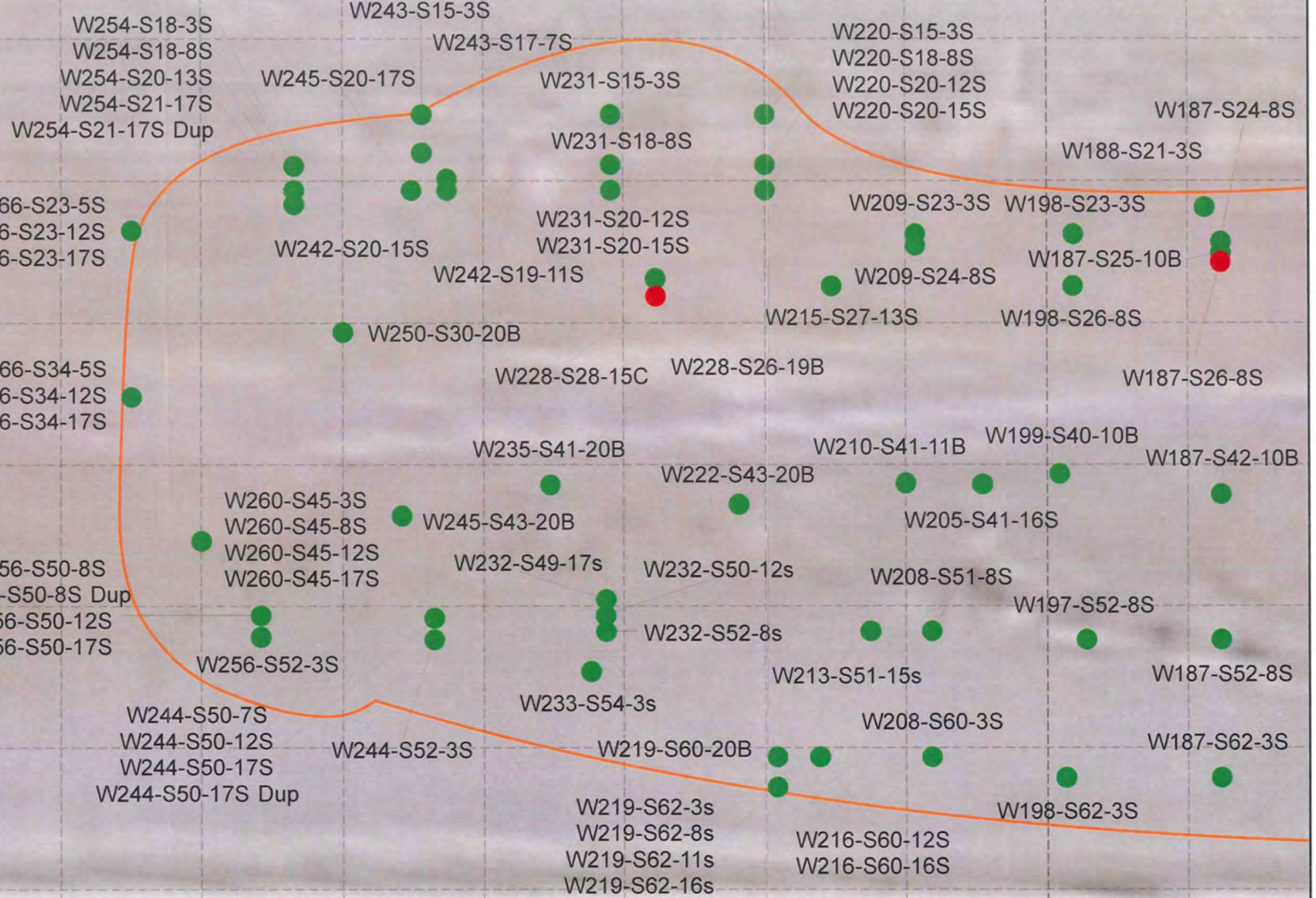
- SAMPLE LOCATION WITH CONCENTRATIONS LESS THAN THE APPLICABLE CLEANUP LEVEL
- SAMPLE LOCATION WITH CONCENTRATIONS GREATER THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL
- EXCAVATION LIMITS



SOURCE: GOOGLE EARTH 7/15/14

| FIGURE 8 CENTRAL AREA EXCAVATION LIMITS WITH PERFORMANCE SAMPLING LOCATIONS | | | |
|--|---|-------------|----------------|
| PREPARED BY | | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/12/16 | ARM | JDB | 71201.0 |

WEST AREA



SOURCE: GOOGLE EARTH 7/15/14

- NOTES:**
- SAMPLE LOCATION WITH CONCENTRATIONS LESS THAN THE APPLICABLE CLEANUP LEVEL
 - SAMPLE LOCATION WITH CONCENTRATIONS GREATER THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL
 - DEEP EXCAVATION LIMITS

| FIGURE 9 WEST AREA EXCAVATION LIMITS WITH PERFORMANCE SAMPLING LOCATIONS | | | |
|--|---|-------------|----------------|
| PREPARED BY | | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/11/16 | ARM | JDB | 71201.0 |

EAST AREA

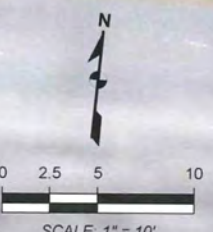
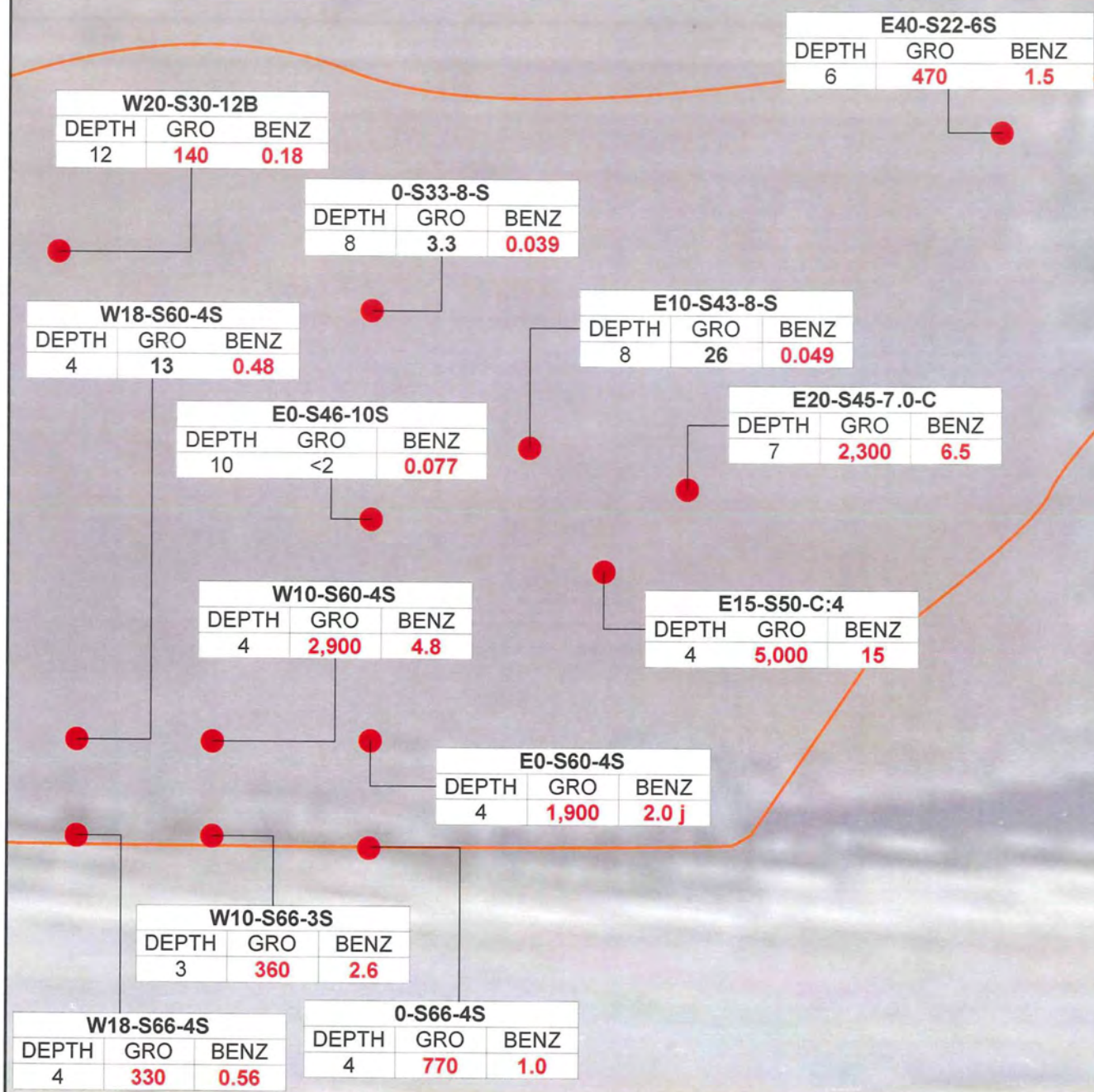
NOTES:

- SAMPLE LOCATION WITH CONCENTRATIONS LESS THAN THE APPLICABLE CLEANUP LEVEL
- SAMPLE LOCATION WITH CONCENTRATIONS GREATER THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL
- DEEP EXCAVATION LIMITS


RED = CONCENTRATION IS GREATER THAN THE APPLICABLE CLEANUP LEVEL
BOLD = DETECTED CONCENTRATION GREATER THAN THE METHOD DETECTION LIMIT.

GRO = GASOLINE-RANGE ORGANICS
 BENZ = BENZENE

ALL SOIL RESULTS IN MILLIGRAMS/KILOGRAM
 ALL WATER RESULTS IN MICROGRAMS/LITER



SOURCE: GOOGLE EARTH 7/15/14

| FIGURE 10 EAST AREA EXCAVATION LIMITS WITH PERFORMANCE SOIL SAMPLING ANALYTICAL RESULTS (in mg/kg) | | | |
|--|---|-------------|----------------|
| PREPARED BY |  | | |
| REPORT | SPILL RESPONSE AND REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/11/16 | ARM | JDB | 71201.0 |

CENTRAL AREA

NOTES:

- SAMPLE LOCATION WITH CONCENTRATIONS LESS THAN THE APPLICABLE CLEANUP LEVEL
- SAMPLE LOCATION WITH CONCENTRATIONS GREATER THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL

— EXCAVATION LIMITS

RED = CONCENTRATION IS GREATER THAN THE APPLICABLE CLEANUP LEVEL
 BOLD = DETECTED CONCENTRATION GREATER THAN THE METHOD DETECTION LIMIT.

GRO = GASOLINE-RANGE ORGANICS
 BENZ = BENZENE

ALL SOIL RESULTS IN MILLIGRAMS/KILOGRAM
 ALL WATER RESULTS IN MICROGRAMS/LITER

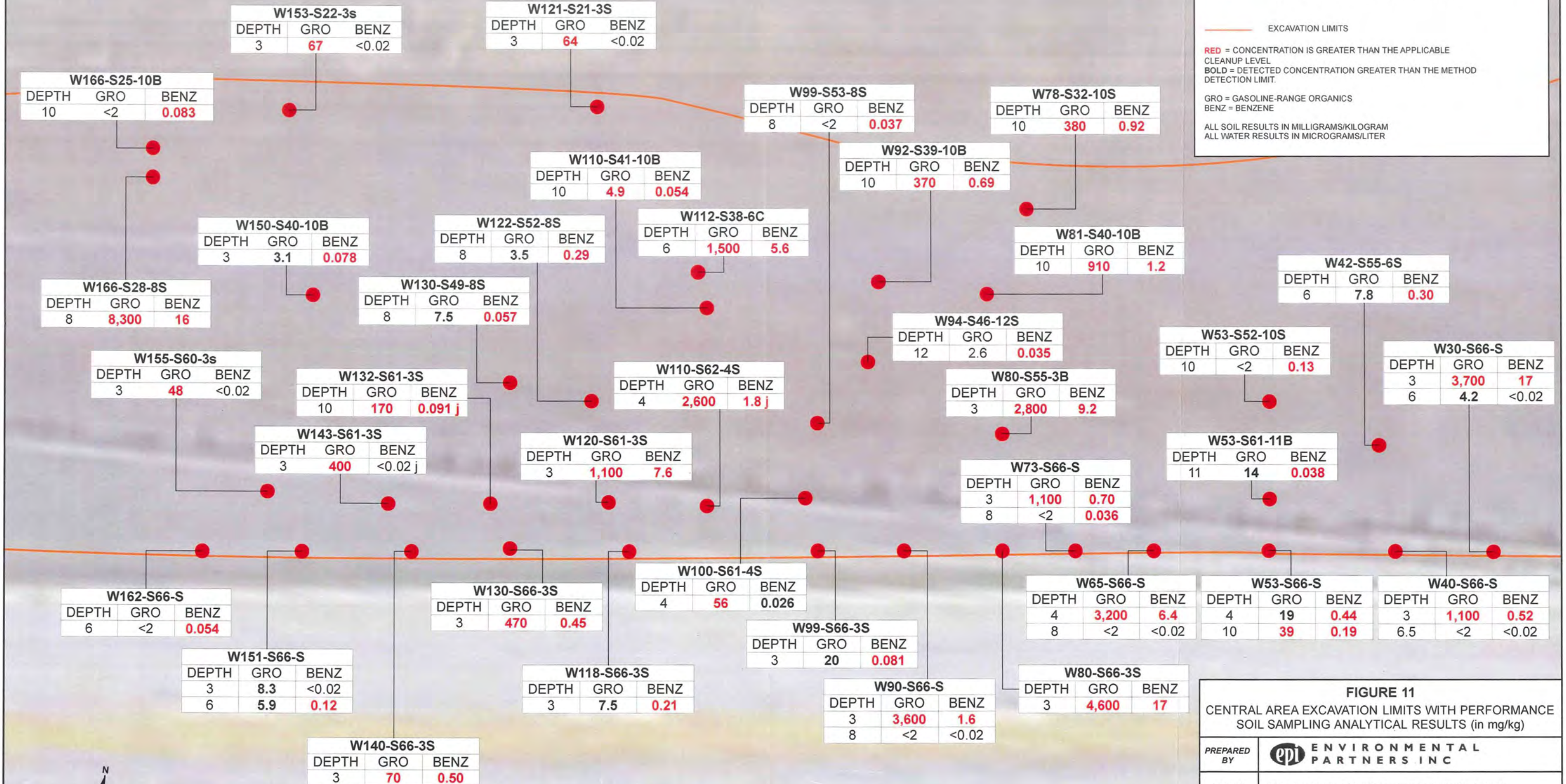
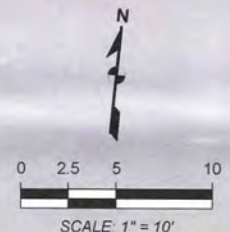


FIGURE 11
 CENTRAL AREA EXCAVATION LIMITS WITH PERFORMANCE SOIL SAMPLING ANALYTICAL RESULTS (in mg/kg)

| | | | |
|--------------|---|-------------|----------------|
| PREPARED BY | epi ENVIRONMENTAL PARTNERS INC | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/12/16 | ARM | JDB | 71201.0 |



SOURCE: GOOGLE EARTH 7/15/14

WEST AREA

NOTES:

- SAMPLE LOCATION WITH CONCENTRATIONS LESS THAN THE APPLICABLE CLEANUP LEVEL
- SAMPLE LOCATION WITH CONCENTRATIONS GREATER THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL
- DEEP EXCAVATION LIMITS

RED = CONCENTRATION IS GREATER THAN THE APPLICABLE CLEANUP LEVEL
BOLD = DETECTED CONCENTRATION GREATER THAN THE METHOD DETECTION LIMIT.

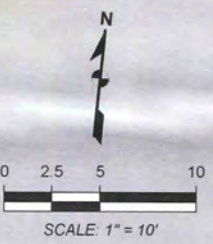
GRO = GASOLINE-RANGE ORGANICS
 BENZ = BENZENE

ALL SOIL RESULTS IN MILLIGRAMS/KILOGRAM
 ALL WATER RESULTS IN MICROGRAMS/LITER



| W228-S28-15C | | |
|--------------|------------|-------------|
| DEPTH | GRO | BENZ |
| 15 | 330 | 0.19 |

| W187-S26-8s | | |
|-------------|-----------|-------------|
| DEPTH | GRO | BENZ |
| 8 | 14 | 0.12 |



SOURCE: GOOGLE EARTH 7/15/14

| FIGURE 12 WEST AREA EXCAVATION LIMITS WITH PERFORMANCE SOIL SAMPLING ANALYTICAL RESULTS (in mg/kg) | | | |
|---|---|-------------|----------------|
| PREPARED BY | epi ENVIRONMENTAL PARTNERS INC | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/11/16 | ARM | JDB | 71201.0 |

EAST AREA



| W10-S66-3S | | |
|------------|------------|------------|
| DEPTH | GRO | BENZ |
| 3 | 360 | 2.6 |

| W18-S66-4S | | |
|------------|------------|-------------|
| DEPTH | GRO | BENZ |
| 4 | 330 | 0.56 |

| 0-S66-4S | | |
|----------|------------|------------|
| DEPTH | GRO | BENZ |
| 4 | 770 | 1.0 |

NOTES:

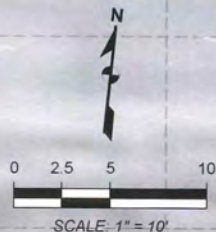
- SAMPLE LOCATION WITH CONCENTRATIONS LESS THAN THE APPLICABLE CLEANUP LEVEL
- SAMPLE LOCATION WITH CONCENTRATIONS GREATER THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL
- DEEP EXCAVATION LIMITS

RED = CONCENTRATION IS GREATER THAN THE APPLICABLE CLEANUP LEVEL
BOLD = DETECTED CONCENTRATION GREATER THAN THE METHOD DETECTION LIMIT.

GRO = GASOLINE-RANGE ORGANICS
 BENZ = BENZENE

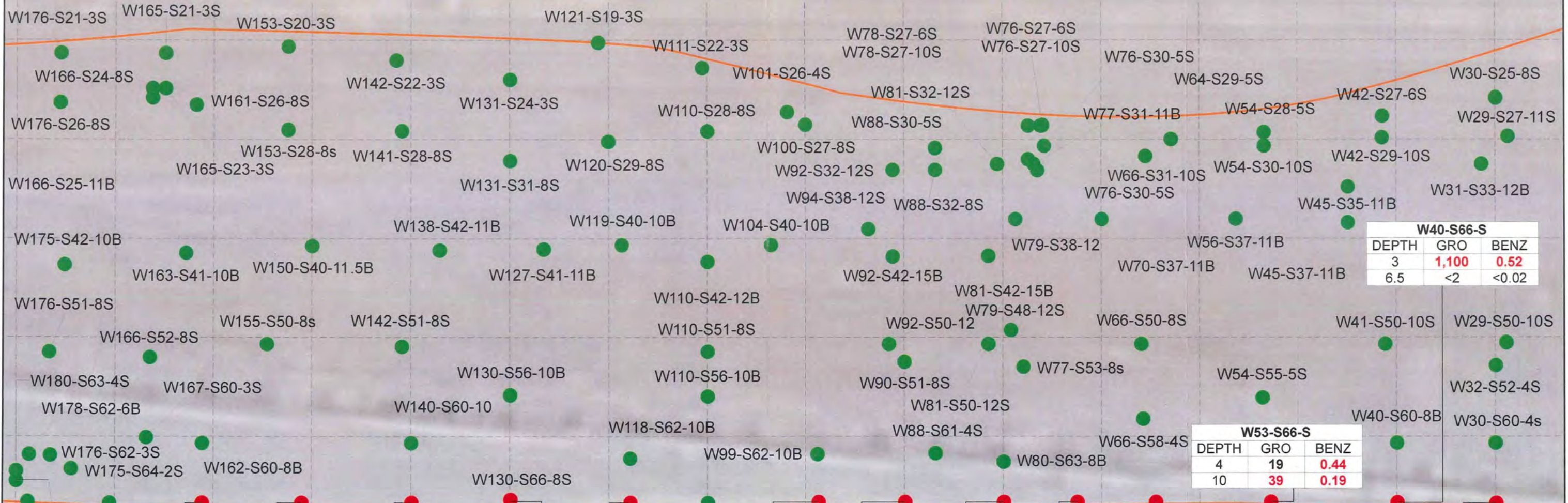
ALL SOIL RESULTS IN MILLIGRAMS/KILOGRAM
 ALL WATER RESULTS IN MICROGRAMS/LITER

| FIGURE 13 EAST AREA FINAL PERFORMANCE SOIL SAMPLING LOCATIONS | | | |
|---|---|-------------|----------------|
| PREPARED BY | | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/12/16 | ARM | JDB | 71201.0 |



SOURCE: GOOGLE EARTH 7/15/14

CENTRAL AREA



| W40-S66-S | | | |
|-----------|--------------|-------------|--|
| DEPTH | GRO | BENZ | |
| 3 | 1,100 | 0.52 | |
| 6.5 | <2 | <0.02 | |

| W53-S66-S | | | |
|-----------|-----------|-------------|--|
| DEPTH | GRO | BENZ | |
| 4 | 19 | 0.44 | |
| 10 | 39 | 0.19 | |

| W151-S66-S | | | |
|------------|------------|-------------|--|
| DEPTH | GRO | BENZ | |
| 3 | 8.3 | <0.02 | |
| 6 | 5.9 | 0.12 | |

| W130-S66-3S | | | |
|-------------|------------|-------------|--|
| DEPTH | GRO | BENZ | |
| 3 | 470 | 0.45 | |

| W110-S66-3S | | | |
|-------------|------------|-------------|--|
| DEPTH | GRO | BENZ | |
| 3 | 7.5 | 0.21 | |

| W90-S66-S | | | |
|-----------|--------------|------------|--|
| DEPTH | GRO | BENZ | |
| 3 | 3,600 | 1.6 | |
| 8 | <2 | <0.02 | |

| W73-S66-S | | | |
|-----------|--------------|--------------|--|
| DEPTH | GRO | BENZ | |
| 3 | 1,100 | 0.70 | |
| 8 | <2 | 0.036 | |

| W65-S66-S | | | |
|-----------|--------------|------------|--|
| DEPTH | GRO | BENZ | |
| 4 | 3,200 | 6.4 | |
| 8 | <2 | <0.02 | |

| W30-S66-S | | | |
|-----------|--------------|-----------|--|
| DEPTH | GRO | BENZ | |
| 3 | 3,700 | 17 | |
| 6 | 4.2 | <0.02 | |

| W162-S66-S | | | |
|------------|-----|--------------|--|
| DEPTH | GRO | BENZ | |
| 6 | <2 | 0.054 | |

| W140-S66-3S | | | |
|-------------|-----------|-------------|--|
| DEPTH | GRO | BENZ | |
| 3 | 70 | 0.50 | |

| W118-S66-3S | | | |
|-------------|------------|-------------|--|
| DEPTH | GRO | BENZ | |
| 3 | 7.5 | 0.21 | |

| W99-S66-3S | | | |
|------------|-----------|--------------|--|
| DEPTH | GRO | BENZ | |
| 3 | 20 | 0.081 | |

| W80-S66-3S | | | |
|------------|--------------|-----------|--|
| DEPTH | GRO | BENZ | |
| 3 | 4,600 | 17 | |

NOTES:

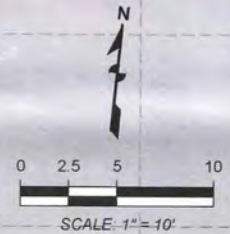
- SAMPLE LOCATION WITH CONCENTRATIONS LESS THAN THE APPLICABLE CLEANUP LEVEL
- SAMPLE LOCATION WITH CONCENTRATIONS GREATER THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL
- EXCAVATION LIMITS

RED = CONCENTRATION IS GREATER THAN THE APPLICABLE CLEANUP LEVEL
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GRO = GASOLINE-RANGE ORGANICS
 BENZ = BENZENE

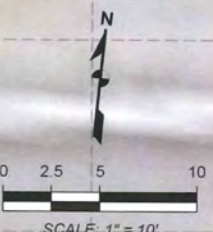
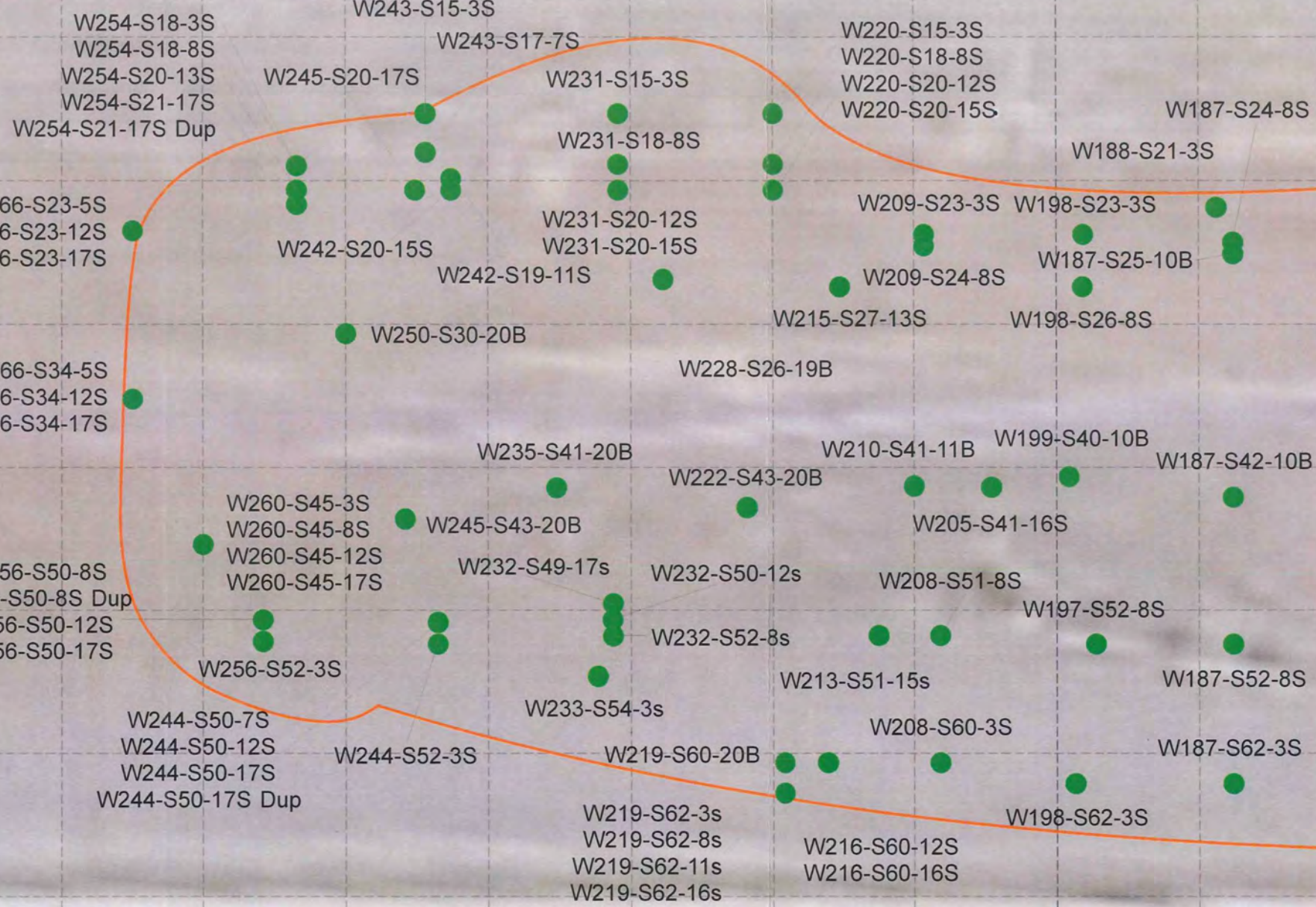
ALL SOIL RESULTS IN MILLIGRAMS/KILOGRAM
 ALL WATER RESULTS IN MICROGRAMS/LITER

| FIGURE 14 CENTRAL AREA FINAL PERFORMANCE SOIL SAMPLING LOCATIONS | | | |
|--|---|-------------|----------------|
| PREPARED BY | | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/12/16 | ARM | JDB | 71201.0 |



SOURCE: GOOGLE EARTH 7/15/14

WEST AREA



SOURCE: GOOGLE EARTH 7/15/14

NOTES:
 ● SAMPLE LOCATION WITH CONCENTRATIONS LESS THAN THE APPLICABLE CLEANUP LEVEL
 — DEEP EXCAVATION LIMITS

| FIGURE 15 WEST AREA FINAL PERFORMANCE SOIL SAMPLING LOCATIONS | | | |
|---|---|-------------|----------------|
| PREPARED BY | | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/11/16 | ARM | JDB | 71201.0 |

NOTES:

- SAMPLE LOCATION WITH CONCENTRATIONS LESS THAN THE APPLICABLE CLEANUP LEVEL
- SAMPLE LOCATION WITH CONCENTRATIONS GREATER THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL
- DEEP EXCAVATION LIMITS

RED = CONCENTRATION IS GREATER THAN THE APPLICABLE CLEANUP LEVEL
 BOLD = DETECTED CONCENTRATION GREATER THAN THE METHOD DETECTION LIMIT.

GRO = GASOLINE-RANGE ORGANICS
 BENZ = BENZENE

ALL SOIL RESULTS IN MILLIGRAMS/KILOGRAM
 ALL WATER RESULTS IN MICROGRAMS/LITER

(INTERIOR SAMPLES NOT DISPLAYED)

| DP-11 | | |
|-------|-----------|-------------|
| DEPTH | GRO | BENZ |
| 4 | 72 | 0.26 |
| 8 | 40 | 0.15 |
| 12 | <2 | <0.02 |

| DP-2 | | |
|-------|------------|-------------|
| DEPTH | GRO | BENZ |
| 4 | 220 | 0.35 |
| 8 | 183 | 0.28 |
| 11.5 | <10 | <0.02 |

| DP-4 | | |
|-------|--------------|------------|
| DEPTH | GRO | BENZ |
| 4 | 1,530 | 1.8 |
| 8 | <10 | <0.02 |

| DP-3 | | |
|-------|------------|-------------|
| DEPTH | GRO | BENZ |
| 3 | <2 | <0.02 |
| 8 | 157 | 0.14 |
| 12 | <10 | <0.02 |

| DP-9 | | |
|-------|----------------|-------------|
| DEPTH | GRO | BENZ |
| 4 | 1,170 E | 2.75 |
| 7.5 | <10 | <0.02 |

| DP-1 | | |
|-------|--------------|--------------|
| DEPTH | GRO | BENZ |
| 4 | 3,150 | 6.2 |
| 7 | <10 | 0.025 |
| 7 DUP | <10 | 0.025 |
| 12 | <10 | 0.070 |
| 14 | <10 | <0.02 |

| DP-12 | | |
|-------|-----------|--------------|
| DEPTH | GRO | BENZ |
| 3 | 20 | 0.087 |
| 4.5 | 73 | 0.16 |
| 8 | <10 | <0.02 |
| 8 DUP | <10 | <0.02 |

| DP-10 | | |
|-------|----------------|------------|
| DEPTH | GRO | BENZ |
| 4 | 1,300 E | 4.2 |
| 8 | <10 | <0.02 |

| DP-21 | | |
|-------|-----|--------------|
| DEPTH | GRO | BENZ |
| 4 | <10 | <0.02 |
| 8 | <10 | 0.087 |
| 12 | <10 | <0.02 |

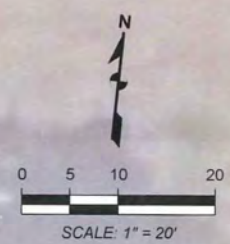
| DP-16 | | |
|-------|-----|--------------|
| DEPTH | GRO | BENZ |
| 4 | <10 | 0.082 |
| 8 | <10 | <0.02 |
| 12 | <10 | <0.02 |

| DP-23 | | |
|-------|-----|--------------|
| DEPTH | GRO | BENZ |
| 4 | <10 | 0.039 |
| 8 | <10 | <0.02 |
| 12 | <10 | <0.02 |

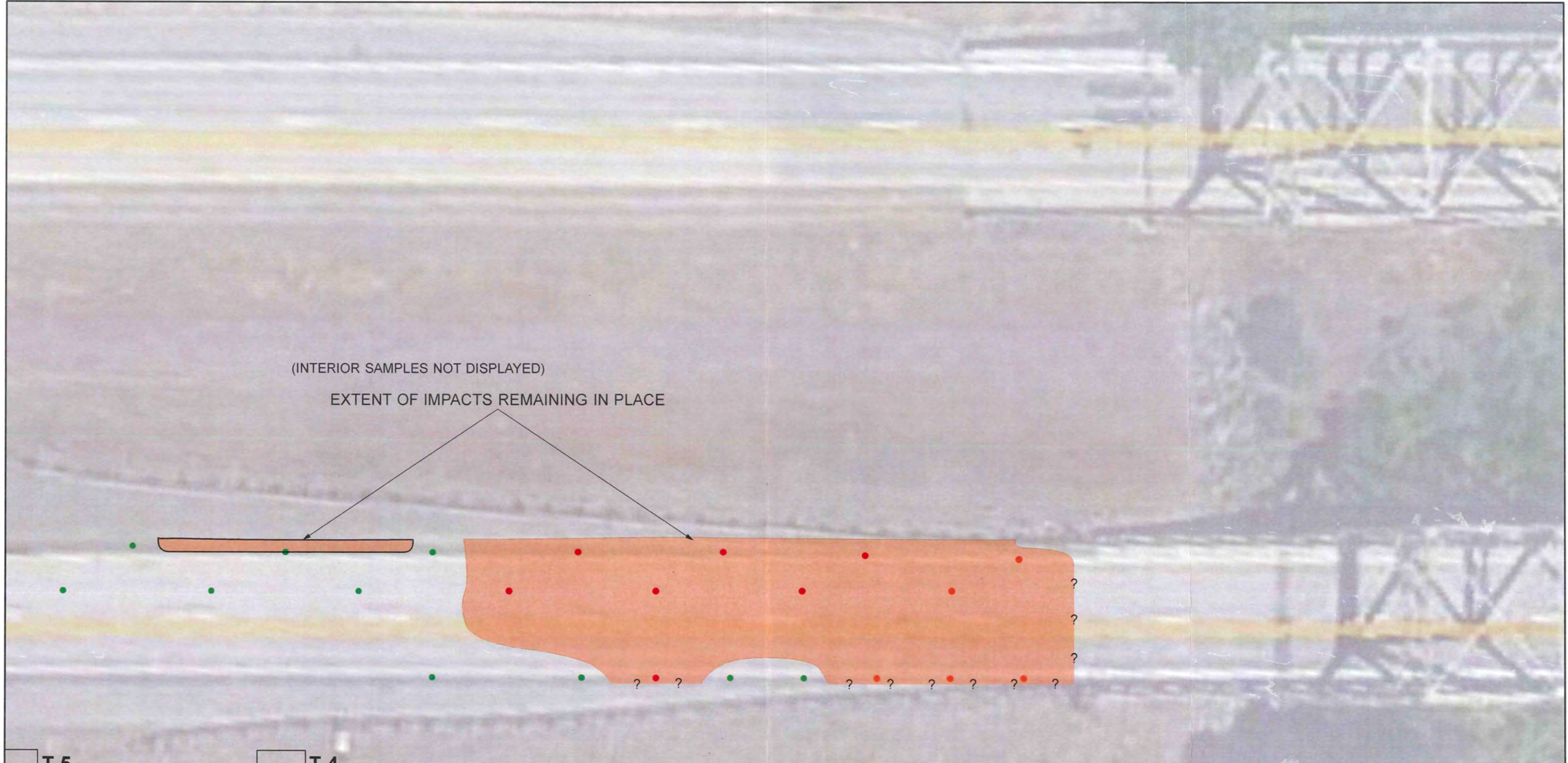
| DP-17 | | |
|-------|-----------|--------------|
| DEPTH | GRO | BENZ |
| 4 | 19 | 0.53 |
| 8 | <10 | 0.039 |
| 12 | <10 | <0.02 |

FIGURE 16
 DPT LOCATIONS AND
 SOIL ANALYTICAL RESULTS (in mg/kg)

| | | | |
|--------------|---|-------------|----------------|
| PREPARED BY | | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/11/16 | ARM | JDB | 71201.0 |



SOURCE: GOOGLE EARTH 7/15/14



(INTERIOR SAMPLES NOT DISPLAYED)
 EXTENT OF IMPACTS REMAINING IN PLACE





NOTES:

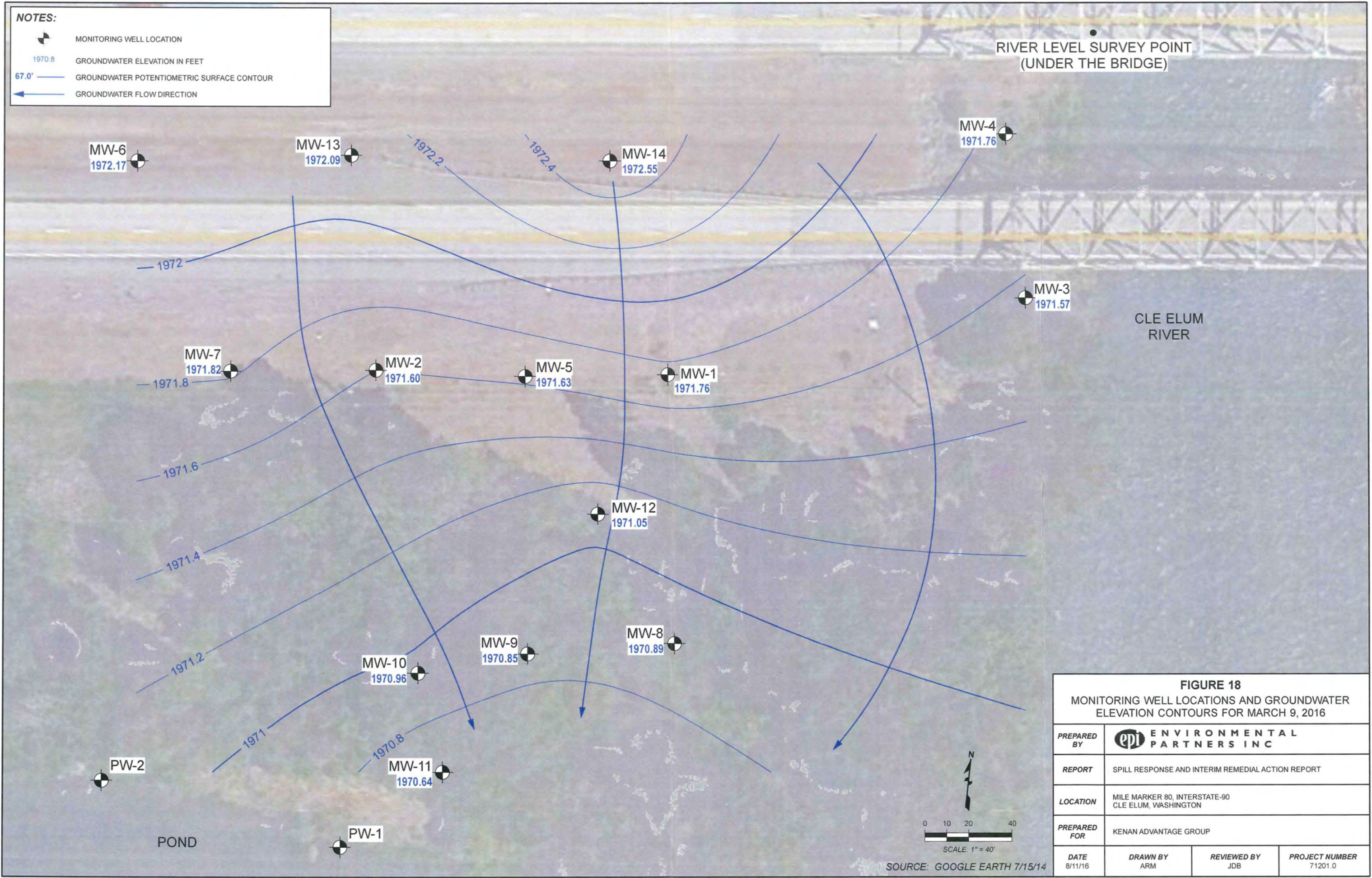
- SAMPLE LOCATION WITH CONCENTRATIONS LESS THAN THE APPLICABLE CLEANUP LEVEL
- SAMPLE LOCATION WITH CONCENTRATIONS GREATER THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL
- T-4 TEST PIT LOCATION

| FIGURE 17 LIMITS OF REMAINING IMPACTS TO SOIL | | | |
|--|---|-------------|----------------|
| PREPARED BY | ENVIRONMENTAL PARTNERS INC | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/11/16 | ARM | JDB | 71201.0 |

SCALE: 1" = 20'
 SOURCE: GOOGLE EARTH 7/15/14

NOTES:

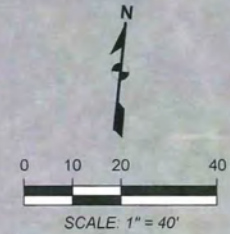
-  MONITORING WELL LOCATION
-  1970.8 GROUNDWATER ELEVATION IN FEET
-  67.0' GROUNDWATER POTENTIOMETRIC SURFACE CONTOUR
-  GROUNDWATER FLOW DIRECTION




RIVER LEVEL SURVEY POINT
(UNDER THE BRIDGE)

CLE ELUM
RIVER

POND





SOURCE: GOOGLE EARTH 7/15/14

| FIGURE 18 | | | |
|--|--|-------------|----------------|
| MONITORING WELL LOCATIONS AND GROUNDWATER ELEVATION CONTOURS FOR MARCH 9, 2016 | | | |
| PREPARED BY |  ENVIRONMENTAL PARTNERS INC | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/11/16 | ARM | JDB | 71201.0 |

RIVER LEVEL SURVEY POINT
(UNDER THE BRIDGE)

NOTES:

-  MONITORING WELL LOCATION
-  MONITORING WELL LOCATION WITH CONCENTRATIONS GREATER THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL

RED = CONCENTRATION IS GREATER THAN THE APPLICABLE CLEANUP LEVEL
BOLD = DETECTED CONCENTRATION GREATER THAN THE METHOD DETECTION LIMIT.

GRO = GASOLINE-RANGE ORGANICS
 BENZ = BENZENE

ALL SOIL RESULTS IN MILLIGRAMS/KILOGRAM
 ALL WATER RESULTS IN MICROGRAMS/LITER

| MW-5 | | |
|-------------|--------------|------------|
| SAMPLE DATE | GRO | BENZ |
| 12/14/15 | 3,700 | 150 |
| 12/21/15 | 190 | <1 |
| 12/29/15 | 340 | <1 |
| 1/5/16 | 190 | <1 |
| 1/14/16 | 280 | <1 |
| 1/25/16 | 1,700 | 69 |
| 2/4/16 | 160 | <1 |
| 2/16/16 | 5,700 | 120 |
| 2/23/16 | <100 | <1 |
| 3/9/16 | <100 | <1 |

| MW-1 | | |
|-------------|------|------------|
| SAMPLE DATE | GRO | BENZ |
| 12/14/15 | <100 | 2.1 |
| 12/21/15 | <100 | <1 |
| 12/29/15 | <100 | <1 |
| 1/6/16 | <100 | <1 |
| 1/12/16 | <100 | <1 |
| 2/4/16 | <100 | <1 |
| 2/23/16 | <100 | <1 |
| 3/9/16 | <100 | <1 |

| MW-2 | | |
|-------------|------------|------------|
| SAMPLE DATE | GRO | BENZ |
| 12/14/15 | 580 | 7.6 |
| 12/21/15 | <100 | <1 |
| 12/29/15 | <100 | <1 |
| 1/5/16 | <100 | <1 |
| 1/12/16 | <100 | <1 |
| 1/25/16 | <100 | <1 |
| 2/4/16 | 200 | 4.7 |
| 2/16/16 | <100 | <1 |
| 2/23/16 | <100 | <1 |
| 3/9/16 | <100 | <1 |

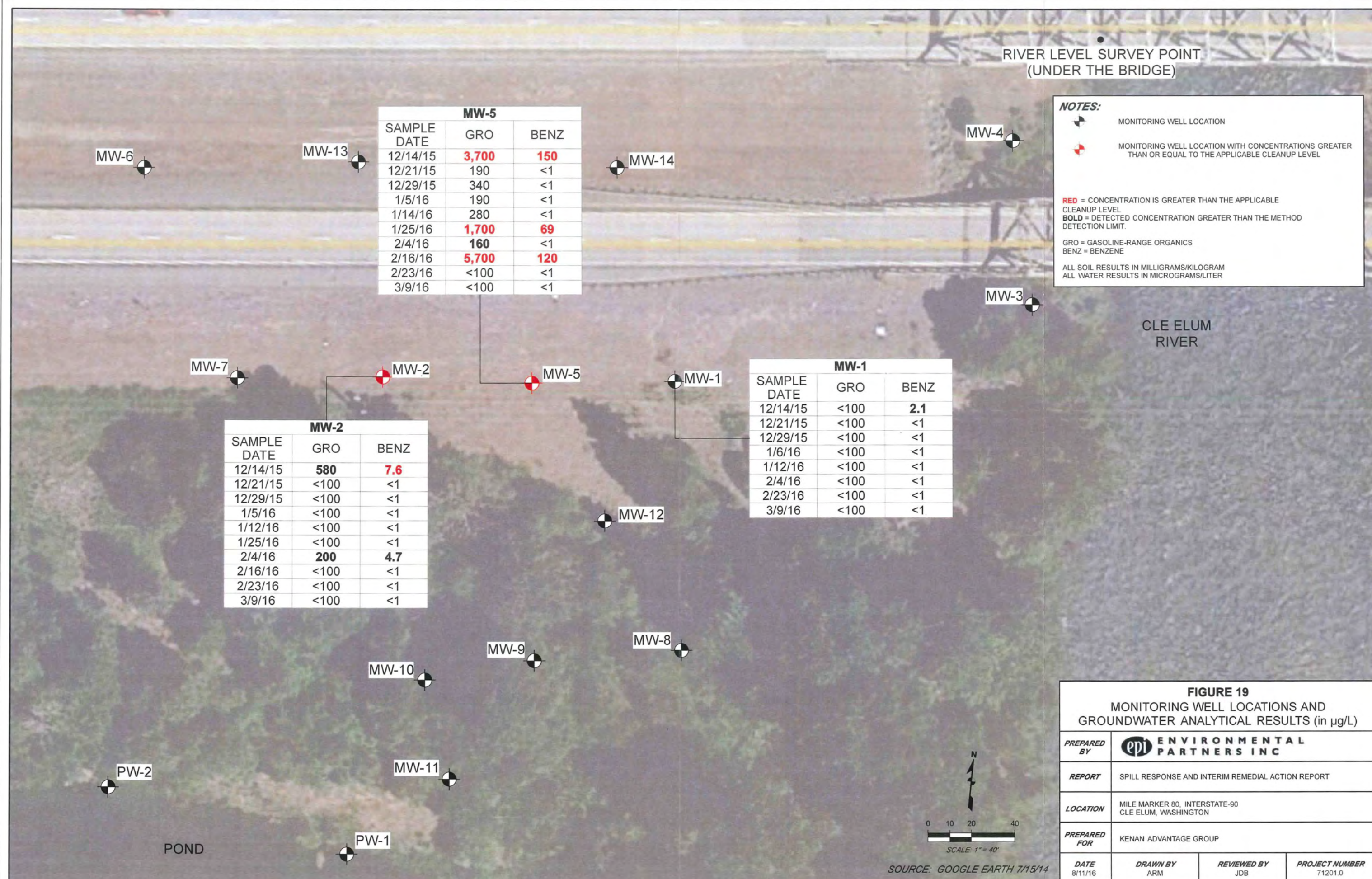



FIGURE 19
 MONITORING WELL LOCATIONS AND
 GROUNDWATER ANALYTICAL RESULTS (in µg/L)

| | | | |
|--------------|---|-------------|----------------|
| PREPARED BY |  | | |
| REPORT | SPILL RESPONSE AND INTERIM REMEDIAL ACTION REPORT | | |
| LOCATION | MILE MARKER 80, INTERSTATE-90 CLE ELUM, WASHINGTON | | |
| PREPARED FOR | KENAN ADVANTAGE GROUP | | |
| DATE | DRAWN BY | REVIEWED BY | PROJECT NUMBER |
| 8/11/16 | ARM | JDB | 71201.0 |

SOURCE: GOOGLE EARTH 7/15/14

Attachment A
Laboratory Analytical Reports for
Soil and Groundwater

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 11, 2015

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: Cle Elum 71201.0, F&BI 512161

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on December 9, 2015 from the Cle Elum 71201.0, F&BI 512161 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltes
EPI1211R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 9, 2015 by Friedman & Bruya, Inc. from the Environmental Partners Cle Elum 71201.0, F&BI 512161 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 512161 -01 | T2-CD:2' |
| 512161 -02 | T1:5' |
| 512161 -03 | T1:10' |
| 512161 -04 | T2-N:5' |
| 512161 -05 | T2-N:10' |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/11/15
Date Received: 12/09/15
Project: Cle Elum 71201.0, F&BI 512161
Date Extracted: 12/09/15
Date Analyzed: 12/09/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| T2-CD:2' 512161-01 1/1000 | 64 | 1,500 | 290 | 1,600 | 19,000 | 98 |
| T1:5' 512161-02 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 102 |
| T1:10' 512161-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 102 |
| T2-N:5' 512161-04 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 102 |
| T2-N:10' 512161-05 | <0.02 | 0.061 | <0.02 | 0.077 | <2 | 101 |
| Method Blank 05-2487 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 102 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/11/15

Date Received: 12/09/15

Project: Cle Elum 71201.0, F&BI 512161

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Percent Recovery LCSD | Acceptance Criteria | RPD (Limit 20) |
|--------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Benzene | mg/kg (ppm) | 0.5 | 91 | 80 | 69-120 | 13 |
| Toluene | mg/kg (ppm) | 0.5 | 93 | 96 | 70-117 | 3 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 92 | 94 | 65-123 | 2 |
| Xylenes | mg/kg (ppm) | 1.5 | 90 | 99 | 66-120 | 10 |
| Gasoline | mg/kg (ppm) | 20 | 100 | 100 | 71-131 | 0 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



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

512161
FBI

ME 12-9-15 VS1
Chain of Custody Record

Laboratory Project No (Internal): _____

Date: 12/8/15

Page: 1 of 1

Client: ENVIRONMENTAL PARTNERS, S.V.C.
Address: 1180 NW Maple St. Ste 310
City, State, Zip: ISSAQUAH WA 98027
Tel: 425-241-5400 Fax: _____

Project Name: 71201.0
Project No: _____ Collected by: _____
Location: Cle Elum
Reports To (PM): Josh Bernthal / Eric KOLIFES
Email: _____

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, WW = Waste Water, SW = Storm Water

lab ID
01A-D
02
03
04
05

| Sample Name | Sample Date | Sample Time | Sample Type (Matrix)* | Analytes | | | | | | | | | | | | | Comments/Depth | |
|-------------|-------------|-------------|-----------------------|----------------|---------|------|------------------------------|-----------------------------------|--------------------------------------|--------------------|----------------|-----------------|-------------------------|-------------------------|---------------|------------|----------------|--------------------|
| | | | | VOC (EPA 8260) | GX/BTEX | BTEX | Gasoline Range Organics (GX) | Hydrocarbon Identification (HCID) | Diesel/Heavy Oil Range Organics (DH) | SEM VOL (EPA 8270) | PAH (EPA 8270) | PCBs (EPA 8082) | Metals** (6020 / 200.8) | Total T / Dissolved (D) | Anions (IC)** | ED9 (8011) | | |
| 1 T2-CD:2' | 12/8/15 | 1230 | SOIL | X | | | | | | | | | | | | | | ASAP * Source Area |
| 2 T1:5' | 12/9/15 | 1000 | SOIL | X | | | | | | | | | | | | | | ↓ |
| 3 T1:10' | 12/8/15 | 1020 | SOIL | X | | | | | | | | | | | | | | |
| 4 T2-N:5' | 12/8/15 | 1200 | SOIL | X | | | | | | | | | | | | | | |
| 5 T2-N:10' | 12/8/15 | 1210 | SOIL | X | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | |

**Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite Turn-around times for samples received after 4:00pm will begin on the following business day. Special Remarks:

Sample Disposal: Return to Client Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished: [Signature] Date/Time: 12/9/15 0600 Received: [Signature] Date/Time: 12/9/15 0755

Relinquished: _____ Date/Time: _____ Received: _____ Date/Time: _____

TAT -> SameDay^ NextDay^ 2 Day 3 Day STD
*Please coordinate with the lab in advance

Sample received at 4 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 18, 2015

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201.0 Cle Elum, F&BI 512161

Dear Mr. Bernthal:

Included are the additional results from the testing of material submitted on December 9, 2015 from the 71201.0 Cle Elum, F&BI 512161 project. There are 4 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltes
EPI1218R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 9, 2015 by Friedman & Bruya, Inc. from the Environmental Partners Cle Elum 71201.0, F&BI 512161 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 512161 -01 | T2-CD:2' |
| 512161 -02 | T1:5' |
| 512161 -03 | T1:10' |
| 512161 -04 | T2-N:5' |
| 512161 -05 | T2-N:10' |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/15
Date Received: 12/09/15
Project: 71201.0 Cle Elum, F&BI 512161
Date Extracted: 12/14/15
Date Analyzed: 12/14/15

**RESULTS FROM THE ANALYSIS OF
TCLP EXTRACT SAMPLES
FOR BENZENE
USING METHOD 8021B**
Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | Surrogate (% Recovery) Limit (52-124) |
|-----------------------------------|----------------|---|
| T2-CD:2' 512161-01 1/100 | 2,000 | 91 |
| Method Blank 05-2526 MB | <1 | 88 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/15

Date Received: 12/09/15

Project: 71201.0 Cle Elum, F&BI 512161

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF TCLP SAMPLES
FOR BENZENE USING EPA METHOD 8021B**

Laboratory Code: 512161-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|---------|--------------------|------------------|---------------------|-------------------|
| Benzene | ug/L (ppb) | 1,300 | 1,300 | 3 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|---------|--------------------|----------------|----------------------------|------------------------|
| Benzene | ug/L (ppb) | 50 | 96 | 65-118 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



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

512161
FBI

ME12-9-15 VS1
Chain of Custody Record

Laboratory Project No (Internal): _____

Date: 12/8/15 Page: 1 of 1

Client: ENVIRONMENTAL PARTNERS E.I.U.C.
Address: 1180 NW Maple St Ste 210
City, State, Zip: ISSAQUAH WA 98027
Tel: 425-241-5400 Fax: _____

Project Name: 71201.0
Project No: _____ Collected by: _____
Location: Cle Elum
Reports To (PM): Jason Bechtel / Eric Kowles
Email: _____

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, WW = Waste Water, SW = Storm Water

lab ID
01A-D
02
03
04
05

| Sample Name | Sample Date | Sample Time | Sample Type (Matrix)* | VOC (EPA 8260) | GV/STX | BTEX | Gasoline Range Organics (GRO) | Hydrocarbon Identification (HCOI) | Distillable Heavy Oil Range Organics (DHORO) | SEM VOC (EPA 8270) | PAH (EPA 8270 - SW) | PCOH (EPA 8082) | Metals* (4070 / 700.0) | Total (T) / Dissolved (D) | Arsenic (C)* | EDS (8071) | TCLP (8260) | Comments/Depth |
|-------------|-------------|-------------|-----------------------|----------------|--------|------|-------------------------------|-----------------------------------|--|--------------------|---------------------|-----------------|------------------------|---------------------------|--------------|------------|-------------|--------------------|
| 1 T2-CO:2' | 12/8/15 | 1230 | SOIL | X | | | | | | | | | | | | | | * ASAP Source Area |
| 2 T1:5' | 12/9/15 | 1000 | SOIL | X | | | | | | | | | | | | | | * -per JB |
| 3 T1:10' | 12/8/15 | 1020 | SOIL | X | | | | | | | | | | | | | | 12/11/15 |
| 4 T2-N:5' | 12/8/15 | 1200 | SOIL | X | | | | | | | | | | | | | | ME. |
| 5 T2-N:10' | 12/8/15 | 1710 | SOIL | X | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | |

**Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Co Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl Ti U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite Turn-around times for samples received after 4:00pm will begin on the following business day.

Sample Disposal: Return to Client Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)

Relinquished Date/Time: 12/9/15 0600 Received Date/Time: 12/9/15 0755

Relinquished Date/Time: _____ Received Date/Time: _____

Special Remarks:
TAT -> SameDay^ NextDay^ 2 Day 3 Day STD
*Please Coordinate with the lab in advance

Samples received at 4 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
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fbi@isomedia.com
www.friedmanandbruya.com

December 14, 2015

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: Cle Elum MM 80, 71201, F&BI 512172

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on December 10, 2015 from the Cle Elum MM 80, 71201, F&BI 512172 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon, Eric Koltes
EPI1214R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 10, 2015 by Friedman & Bruya, Inc. from the Environmental Partners Cle Elum MM 80, 71201, F&BI 512172 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 512172 -01 | MW-1:6 |
| 512172 -02 | MW-1:13 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/14/15
Date Received: 12/10/15
Project: Cle Elum MM 80, 71201, F&BI 512172
Date Extracted: 12/10/15
Date Analyzed: 12/10/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| MW-1:6 512172-01 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 98 |
| MW-1:13 512172-02 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 97 |
| Method Blank 05-2491 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 97 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/14/15

Date Received: 12/10/15

Project: Cle Elum MM 80, 71201, F&BI 512172

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512172-01 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 78 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 84 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 84 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 83 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 95 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

512172

SAMPLE CHAIN OF CUSTODY ME12-10-15

VSI

Send Report To Josh Brumhall

Company EPI

Address 180 NW. Malt St. Ste. 310

City, State, ZIP Issaquah, WA 98027

Phone # _____ Fax # _____

SAMPLE # 115 (signature) _____

PROJECT NAME/NO. de Elm MU 80 PO# 71201

REMARKS _____

Page # 1 of 1

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH 24-hr
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | | |
|--|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|-------|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | |
| MW-1:6 | 01A-D | 12/9/15 | 1300 | Soil | 5095 | | X | X | | | | | | | |
| MW-1:13 | 02 | 1 | 1345 | 1 | 1 | | X | X | | | | | | | |
| <p>samples received at <u>4</u> °C</p> | | | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|------------------|----------------|---------|---------|------|
| Relinquished by: | Bryan Miles | EPI | 12/9/15 | 1630 |
| Received by: | Michael Erdahl | P&B | ↓ | ↓ |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 15, 2015

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: Cle Elum MP 80, 71201, F&BI 512197

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on December 11, 2015 from the Cle Elum MP 80, 71201, F&BI 512197 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltes
EPI1215R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 11, 2015 by Friedman & Bruya, Inc. from the Environmental Partners Cle Elum Cle Elum MP 80, 71201, F&BI 512197 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 512197 -01 | MW-2:2.5 |
| 512197 -02 | MW-2:7 |
| 512197 -03 | MW-3:2.5 |
| 512197 -04 | MW-3:5 |
| 512197 -05 | MW-4:5 |
| 512197 -06 | MW-5:5 |
| 512197 -07 | MW-5:7.5 |
| 512197 -08 | T3-S 5' |
| 512197 -09 | T3-S 10' |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/15/15
 Date Received: 12/11/15
 Project: Cle Elum MP 80, 71201, F&BI 512197
 Date Extracted: 12/11/15
 Date Analyzed: 12/11/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| MW-2:2.5 512197-01 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 99 |
| MW-2:7 512197-02 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 98 |
| MW-3:2.5 512197-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 100 |
| MW-4:5 512197-05 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 98 |
| MW-5:5 512197-06 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 99 |
| MW-5:7.5 512197-07 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 100 |
| T3-S 5' 512197-08 | <0.02 | 0.025 | <0.02 | <0.06 | <2 | 86 |
| T3-S 10' 512197-09 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 88 |
| Method Blank 05-2491 MB2 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 86 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/15/15

Date Received: 12/11/15

Project: Cle Elum MP 80, 71201, F&BI 512197

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512172-01 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 78 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 84 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 84 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 83 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 95 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

512197

SAMPLE CHAIN OF CUSTODY

ME 12-11-15

V81

Send Report To Josh Benthel
 Company EPI
 Address 1180 Maple St. Ste. 310
 City, State, ZIP Ft. Sayre, WA 98927
 Phone # _____ Fax # _____

SAMPLER (signature) _____
 PROJECT NAME/NO. de Elum up a PO# 71201
 REMARKS _____

Page # 1 of 1
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH 24-hr
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | |
|-----------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | |
| MW-2:2.5 | 01 | 12/19/15 | 0830 | Soil | 5035 | X | X | | | | | | | | | | |
| MW-2:7 | 02 | | 0845 | | | X | X | | | | | | | | | | |
| MW-3:2.5 | 03 | | 1220 | | | X | X | | | | | | | | | | |
| MW-3:4.5 | 04 | | 1230 | | | X | X | | | | | | | | | | HOLD |
| MW-4:5 | 05 | | 1420 | | | X | X | | | | | | | | | | RUN |
| MW-5:5 | 06 | | 1555 | | | X | X | | | | | | | | | | |
| MW-5:7.5 | 07 | | 1605 | | | X | X | | | | | | | | | | |
| T3-5.5' | 08 | 12/19/15 | 1200 | SOIL | 5035 | X | X | | | | | | | | | | |
| T3-5.10' | 09A-C | 12/19/15 | 1210 | SOIL | 5035 | X | X | | | | | | | | | | |

Samples received at 4 °C

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 83-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|------------------------|----------------|---------|----------|------|
| Relinquished by: _____ | Bryn Miles | EPI | 12/10/15 | 1830 |
| Received by: _____ | Michael Erdich | PERBinc | 12/10/15 | 0755 |
| Relinquished by: _____ | | | | |
| Received by: _____ | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 18, 2015

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: Cle Elum MP 80, PO 71201, F&BI 512227

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on December 14, 2015 from the Cle Elum MP 80, PO 71201, F&BI 512227 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon
EPI1218R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 14, 2015 by Friedman & Bruya, Inc. from the Environmental Partners Cle Elum MP 80, PO 71201, F&BI 512227 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 512227 -01 | MW-6:2.5 |
| 512227 -02 | MW-6:7.5 |
| 512227 -03 | MW-6:13.5 |
| 512227 -04 | E20-S45-7.0-C |
| 512227 -05 | E10-S43-8-S |
| 512227 -06 | O-S33-8-S |
| 512227 -07 | W18-S45-7-S |
| 512227 -08 | W13-S33-7-S |
| 512227 -09 | O-S37-10-S |
| 512227 -10 | W5-S43-8-S |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/15

Date Received: 12/14/15

Project: Cle Elum MP 80, PO 71201, F&BI 512227

Date Extracted: 12/14/15

Date Analyzed: 12/14/15 and 12/16/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| MW-6:2.5 512227-01 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 102 |
| MW-6:7.5 512227-02 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 101 |
| MW-6:13.5 512227-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 100 |
| E20-S45-7.0-C 512227-04 1/20 | 6.5 | 260 | 36 | 330 | 2,300 | 100 |
| E10-S43-8-S 512227-05 | 0.049 | 1.6 | 0.47 | 2.5 | 26 | 99 |
| O-S33-8-S 512227-06 | 0.039 | 0.050 | <0.02 | <0.06 | 3.3 | 99 |
| W18-S45-7-S 512227-07 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 90 |
| W13-S33-7-S 512227-08 | <0.02 | 0.057 | <0.02 | <0.06 | <2 | 99 |
| O-S37-10-S 512227-09 | <0.02 | 0.046 | <0.02 | <0.06 | <2 | 100 |
| W5-S43-8-S 512227-10 | <0.02 | 0.023 | <0.02 | <0.06 | <2 | 99 |
| Method Blank 05-2527 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 98 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/15

Date Received: 12/14/15

Project: Cle Elum MP 80, PO 71201, F&BI 512227

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512227-01 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|--------------------|------------------------------|---------------------------------|-------------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|--------------------|----------------|----------------------------|------------------------|
| Benzene | mg/kg (ppm) | 0.5 | 81 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 86 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 87 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 85 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 100 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

512227

SAMPLE CHAIN OF CUSTODY

ME 12/14/15

VSI

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple St. Ste 310
 City, State, ZIP Issaquah WA 98027
 Phone # _____ Fax # _____

SAMPLER'S (Signature) _____
 PROJECT NAME/NO. Clear Elm Mp 80 PO# 71201
 REMARKS _____

Page # 1 of 1
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH 24
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | |
|---------------|-----------------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|---------------------------------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | |
| MW-6:2.5 | 01 ^A | 12/11/15 | 0950 | Soil | 5035 | X | X | | | | | | | | | | |
| MW-6:7.5 | 02 | | 1000 | | | X | X | | | | | | | | | | |
| MW-6:13.5 | 03 | | 1030 | | | X | X | | | | | | | | | | |
| E20-545-7.0-C | 04 | 12/13 | 1001 | Soil | 4 | X | X | | | | | | | | | | |
| E10-543-8-5 | 05 | | 1128 | | 4 | X | X | | | | | | | | | | |
| O-533-8-5 | 06 | | 1226 | | 4 | X | X | | | | | | | | | | IDs amended |
| E18-545-7-5 | 07 | | 1256 | | 4 | X | X | | | | | | | | | | per JB |
| E13-533-7-5 | 08 | | 1300 | | 4 | X | X | | | | | | | | | | 12/17/15 mg |
| O-537-10-13.5 | 09 | | 1223 | | 4 | X | X | | | | | | | | | | |
| W5-543-8-5 | 10 ^V | | 1232 | | 4 | X | X | | | | | | | | | | Samples received at <u>5</u> °C |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 83-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|------------------------|---------------|---------|----------|------|
| Relinquished by: _____ | Bryan Mike | EPI | 12/11/15 | 1800 |
| Received by: _____ | Josh Bernthal | EPI | 12/11/15 | 1815 |
| Relinquished by: _____ | Josh Bernthal | EPI | 12/13/15 | 1500 |
| Received by: _____ | Michael Sch | Bin | 12/11/15 | 1903 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 18, 2015

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 512233

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on December 14, 2015 from the 71201, F&BI 512233 project. There are 7 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon
EPI1218R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 14, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 512233 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 512233 -01 | E15-S50-C:4 |
| 512233 -02 | E15-S30-16s |
| 512233 -03 | E15-S42-16s |
| 512233 -04 | E15-S25-12s |
| 512233 -05 | E15-S46-11s |
| 512233 -06 | SP1 |
| 512233 -07 | SP2 |
| 512233 -08 | SP3 |
| 512233 -09 | SP4 |
| 512233 -10 | SP5 |

The SP samples were composited for TCLP benzene analysis.

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/15
 Date Received: 12/14/15
 Project: 71201, F&BI 512233
 Date Extracted: 12/14/15
 Date Analyzed: 12/14/15 and 12/15/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| E15-S50-C:4 512233-01 1/20 | 15 | 380 | 83 | 480 | 5,000 | 107 |
| E15-S30-16s 512233-02 | <0.02 | 0.027 | <0.02 | <0.06 | <2 | 86 |
| E15-S42-16s 512233-03 | <0.02 | <0.02 | <0.02 | 0.078 | <2 | 99 |
| E15-S25-12s 512233-04 | <0.02 | 0.026 | <0.02 | <0.06 | <2 | 99 |
| E15-S46-11s 512233-05 | <0.02 | 0.054 | <0.02 | 0.13 | 2.2 | 100 |
| SP1 512233-06 1/10 | 0.86 | 29 | 9.7 | 45 | 500 | 101 |
| SP2 512233-07 1/10 | 1.6 | 62 | 17 | 93 | 1,000 | 103 |
| SP3 512233-08 1/10 | 1.2 | 40 | 13 | 58 | 660 | 100 |
| SP4 512233-09 1/10 | 0.66 | 24 | 7.6 | 38 | 400 | 99 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/15
Date Received: 12/14/15
Project: 71201, F&BI 512233
Date Extracted: 12/14/15
Date Analyzed: 12/14/15 and 12/15/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| SP5 512233-10 1/100 | 7.1 | 170 | 42 | 210 | 2,300 | 97 |
| Method Blank 05-2528 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 96 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/15
Date Received: 12/14/15
Project: 71201, F&BI 512233
Date Extracted: 12/15/15
Date Analyzed: 12/15/15

**RESULTS FROM THE ANALYSIS OF TCLP EXTRACTS
SAMPLES FOR BENZENE
USING METHOD 8021B**
Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Surrogate</u> <u>(% Recovery)</u> Limit (50-150) |
|-----------------------------------|----------------|---|
| SP-COMP 512233-06,,10 | 74 | 88 |
| Method Blank 05-2530 MB | <1 | 100 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/15
 Date Received: 12/14/15
 Project: 71201, F&BI 512233

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512233-02 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | 0.021 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 83 | 66-121 |
| Toluene | mg/kg (ppm) | 0.5 | 84 | 72-128 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 82 | 69-132 |
| Xylenes | mg/kg (ppm) | 1.5 | 83 | 69-131 |
| Gasoline | mg/kg (ppm) | 20 | 95 | 61-153 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/15
Date Received: 12/14/15
Project: 71201, F&BI 512233

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS
OF TCLP EXTRACTS FOR BENZENE
USING EPA METHOD 8021B**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Percent Recovery LCSD | Acceptance Criteria | RPD (Limit 20) |
|---------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Benzene | ug/L (ppb) | 50 | 86 | 89 | 72-119 | 3 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

512235

SAMPLE CH N OF CUSTODY

ME-14-10

Page # 1 of 2 vsl

Send Report To Josh Bernthal
Company EPI
Address 1180 NW Maple st STE 310
City, State, ZIP Issaquah Wa 98027
Phone # 425-395-0010 Fax # _____

| | |
|--|-----|
| SAMPLERS (signature) <u>Ch [Signature]</u> | |
| PROJECT NAME/NO. <u>71201</u> | PO# |
| REMARKS | |

| |
|--|
| TURNAROUND TIME <input type="checkbox"/> Standard (2 Weeks) <input type="checkbox"/> RUSH _____ Rush charges authorized by _____ |
| SAMPLE DISPOSAL <input type="checkbox"/> Dispose after 30 days <input type="checkbox"/> Return samples <input type="checkbox"/> Will call with instructions |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | | |
|------------------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--------------|-------|--|-----------------------------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | TCLP Benzene | | | |
| EIS-550-C:4 | 01A | 12/14/15 | 905 | Soil | 4 | | X | X | | | | | | | *- composite and run per JB |
| EIS-530-16s | 02 | 12/14/15 | 1045 | Soil | 4 | | X | X | | | | | | | 12/14/15 me |
| EIS-542-16s | 03 | 12/14/15 | 1050 | Soil | 4 | | X | X | | | | | | | |
| EIS-543-16s | | | | | | | | | | | | | | | |
| EIS-525-12s | 04A | 12/14/15 | 1105 | Soil | 4 | | X | X | | | | | | | |
| EIS-546-11s | 05 | 12/14/15 | 1110 | Soil | 4 | | X | X | | | | | | | |
| SP1 | 06 | 12/14/15 | 1125 | Soil | 4 | | X | X | | | | | * | | |
| SP2 | 07 | 12/14/15 | 1127 | Soil | 4 | | X | X | | | | | * | | |
| SP3 | 08 | 12/14/15 | 1190 | Soil | 4 | | X | X | | | | | * | | |
| SP4 | 09 | 12/14/15 | 1135 | Soil | 4 | | X | X | | | | | * | | Sample received at 3 °C |

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|----------------|---------|----------|------|
| Relinquished by: <u>[Signature]</u> | ERIC KOLTES | EPI | 12/14/15 | 1410 |
| Received by: <u>[Signature]</u> | Matthew Parker | F&BI | 12/14/15 | 1410 |
| Relinquished by: | | | | |
| Received by: | | | | |

512233

SAMPLE CHAIN OF CUSTODY

ME12-14-15

V51

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Myrtle St STE 310
 City, State, ZIP Issaquah WA 98027
 Phone # 425-395-0010 Fax # _____

SAMPLERS (signature) [Signature]
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

Page # 2 of 2

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH _____
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | Notes | | | |
|-----------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--------------|--|-------|--|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | TUAP Benzene | | | | | |
| SPS | 10A-D | 12/14/15 | 1140 | Soil | 4 | | XX | | | | | | | | | | |
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Samples received at 3 °C

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 93-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|----------------|---------|----------|------|
| Relinquished by: <u>[Signature]</u> | ERIC KOLTES | EPI | 12/14/15 | 1410 |
| Received by: <u>[Signature]</u> | Matthew Parker | E&BI | 12/14/15 | 1410 |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 18, 2015

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: Cle Elum MP 80, 71201, F&BI 512238

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on December 15, 2015 from the Cle Elum MP 80, 71201, F&BI 512238 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltres, Charles McFadden
EPI1218R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 15, 2015 by Friedman & Bruya, Inc. from the Environmental Partners Cle Elum MP 80, 71201, F&BI 512238 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 512238-01 | MW-2 |
| 512238-02 | MW-5 |
| 512238-03 | MW-1 |
| 512238-04 | MW-3 |
| 512238-05 | MW-4 |
| 512238-06 | MW-6 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/15
Date Received: 12/15/15
Project: Cle Elum MP 80, 71201, F&BI 512238
Date Extracted: 12/15/15
Date Analyzed: 12/15/15

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| MW-2 512238-01 | 7.6 | 91 | 13 | 77 | 580 | 91 |
| MW-5 512238-02 1/20 | 150 | 890 | 35 | 190 | 3,700 | 88 |
| MW-1 512238-03 | 2.1 | 13 | 1.0 | 5.1 | <100 | 98 |
| MW-3 512238-04 | <1 | <1 | <1 | <3 | <100 | 90 |
| MW-4 512238-05 | <1 | <1 | <1 | <3 | <100 | 97 |
| MW-6 512238-06 | <1 | <1 | <1 | <3 | <100 | 99 |
| Method Blank 05-2529 MB | <1 | <1 | <1 | <3 | <100 | 87 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/15

Date Received: 12/15/15

Project: Cle Elum MP 80, 71201, F&BI 512238

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512219-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|-----------------|---------------|------------------|----------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | <1 | <1 | nm |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | ug/L (ppb) | 50 | 95 | 65-118 |
| Toluene | ug/L (ppb) | 50 | 93 | 72-122 |
| Ethylbenzene | ug/L (ppb) | 50 | 91 | 73-126 |
| Xylenes | ug/L (ppb) | 150 | 91 | 74-118 |
| Gasoline | ug/L (ppb) | 1,000 | 91 | 69-134 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

512238

SAMPLE CHAIN OF CUSTODY

ME 12-15-15

v2

Send Report To Just Bencher
 Company EPI
 Address 1180 NW Maple St Ste 300
 City, State, ZIP Issaquah, WA 98027
 Phone # _____ Fax # _____

SAMPLERS (signature) _____
 PROJECT NAME/NO. de l-m m p 80 PO# 71201
 REMARKS _____

Page # 1 of 1
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH rel - pay
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | |
|-----------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | |
| MW-2 | 01A-C | 12/14/15 | 1230 | water | 3 vials | | X | X | | | | | | |
| MW-5 | 02 | | 1310 | | | | X | X | | | | | | |
| MW-1 | 03 | | 1345 | | | | X | X | | | | | | |
| MW-3 | 04 | | 1505 | | | | X | X | | | | | | |
| MW-4 | 05 | | 1525 | | | | X | X | | | | | | |
| MW-6 | 06 | | 1605 | | | | X | X | | | | | | |
| / | / | / | / | / | / | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 83-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---------------------------------|--------------------|------------|-----------------|-------------|
| Relinquished by: _____ | _____ | _____ | _____ | _____ |
| Received by: <u>[Signature]</u> | <u>Brian Mills</u> | <u>EPI</u> | <u>12/14/15</u> | <u>1800</u> |
| Relinquished by: _____ | _____ | _____ | _____ | _____ |
| Received by: _____ | <u>James Bruya</u> | <u>TRB</u> | <u>12/15</u> | <u>0745</u> |
| Samples received at <u>3</u> | | | _____ | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 18, 2015

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 512253

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on December 15, 2015 from the 71201, F&BI 512253 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon, Eric Koltas
EPI1218R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 15, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 512253 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 512253 -01 | E40-S22-6S |
| 512253 -02 | E40-S24-14S |
| 512253 -03 | E40-S35-16B |
| 512253 -04 | E40-S42-14S |
| 512253 -05 | E40-S44-8S |
| 512253 -06 | E48-S35-12S |
| 512253 -07 | E22-S30-15B |
| 512253 -08 | E0-S25-6S |
| 512253 -09 | E0-S30-10S |
| 512253 -10 | E0-S46-10S |
| 512253 -11 | E0-S52-7S |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/15
 Date Received: 12/15/15
 Project: 71201, F&BI 512253
 Date Extracted: 12/15/15
 Date Analyzed: 12/15/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| E40-S22-6S 512253-01 1/50 | 1.5 | 37 | 8.7 | 49 | 470 | 96 |
| E40-S24-14S 512253-02 | <0.02 | 0.028 | <0.02 | <0.06 | <2 | 94 |
| E40-S35-16B 512253-03 | <0.02 | 0.024 | <0.02 | <0.06 | <2 | 95 |
| E40-S42-14S 512253-04 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 94 |
| E40-S44-8S 512253-05 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 94 |
| E48-S35-12S 512253-06 | <0.02 | 0.024 | <0.02 | <0.06 | <2 | 94 |
| E0-S25-6S 512253-08 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 95 |
| E0-S30-10S 512253-09 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 96 |
| E0-S46-10S 512253-10 | 0.077 | 0.40 | <0.02 | <0.06 | <2 | 96 |
| E0-S52-7S 512253-11 | <0.02 | 0.10 | <0.02 | <0.06 | <2 | 94 |
| Method Blank 05-2531 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 98 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/18/15
 Date Received: 12/15/15
 Project: 71201, F&BI 512253

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512239-01 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 83 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 89 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 90 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 86 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 95 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

512253

SAMPLE CHAIN OF CUSTODY

ME 12/15/15

Page # 1 of 2 VS2

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple St STE 310
 City, State, ZIP Issaquah, WA 98027
 Phone # 425-395-0910 Fax # _____

SAMPLERS (signature) Ch. Miller
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH _____
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | |
|-------------------|-----------------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|-----------------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | |
| E40-522-6s | 01 ^A | 12/14/15 | 1250 | Soil | 4 | | X | X | | | | | | | | | | |
| E40-524-14s | 02 | 12/14/15 | 1255 | Soil | 4 | | X | X | | | | | | | | | | |
| E40-535-16B | 03 | 12/14/15 | 1300 | Soil | 4 | | X | X | | | | | | | | | | |
| E40-543-14s | 04 | 12/14/15 | 1305 | Soil | 4 | | X | X | | | | | | | | | | |
| E40-544-8s | 05 | 12/14/15 | 1310 | Soil | 4 | | X | X | | | | | | | | | | |
| E48 E55-535-12B S | 06 | 12/14/15 | 1315 | Soil | 4 | | X | X | | | | | | | | | | |
| E22-530-15B | 07 | 12/14/15 | 1510 | Soil | 4 | | X | X | | | | | | | | | | Hold |
| E0-525-6s | 08 | 12/15/15 | 945 | Soil | 4 | | X | X | | | | | | | | | | |
| E0-530-10s | 09 | 12/15/15 | 950 | Soil | 4 | | X | X | | | | | | | | | | |
| E0-546-10s | 10 ✓ | 12/15/15 | 955 | Soil | 4 | | X | X | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|------------------|---------|----------|------|
| Relinquished by: <u>[Signature]</u> | Josh Bernthal | EPI | 12/15/15 | 1400 |
| Received by: <u>[Signature]</u> | Ann Webber-Bruya | FBI | 11 | 1438 |
| Relinquished by: | | | | |
| Received by: | | | | |
| Samples received at | | | 5 | °C |

7253

SAMPLE C N OF CUSTODY

ME 12/15/15

V52

Send Report To Josh Berntud
 Company EPI
 Address 1150 NW Maple St STE 30
 City, State, ZIP Issaquah WA 98027
 Phone # 425-795-0210 Fax # _____

SAMPLERS (signature) Ch MPA
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

Page # 2 of 2
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH _____
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | | |
|-----------|------------------------------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | | |
| EO-552-7s | 11 ^A _D | 12/15/15 | 1000 | Soil | 4 | | X | X | | | | | | | | | | | |
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Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|------------------|---------------------|----------|------|
| Relinquished by: <u>[Signature]</u> | Josh Berntud | EPI | 12/15/15 | 1400 |
| Received by: <u>[Signature]</u> | Ann Webber Bruya | EPI | u | 1430 |
| Relinquished by: | | | | |
| Received by: | | Samples received at | 4 | °C |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 22, 2015

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 512281

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on December 16, 2015 from the 71201, F&BI 512281 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltres, Charles McFadden
EPI1222R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 16, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 512281 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 512281 -01 | W10-S20-6S |
| 512281 -02 | W10-S25-10S |
| 512281 -03 | W10-S42-12S |
| 512281 -04 | W10-S49-8S |
| 512281 -05 | W20-S30-12B |
| 512281 -06 | W45-S35-11B |
| 512281 -07 | W80-S55-3B |
| 512281 -08 | W20-S27-6S |
| 512281 -09 | W20-S30-10S |
| 512281 -10 | W20-S50-10S |
| 512281 -11 | W20-S52-7S |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/22/15
 Date Received: 12/16/15
 Project: 71201, F&BI 512281
 Date Extracted: 12/16/15
 Date Analyzed: 12/16/15 and 12/17/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| W10-S20-6S 512281-01 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 97 |
| W10-S25-10S 512281-02 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 97 |
| W10-S42-12S 512281-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 95 |
| W10-S49-8S 512281-04 | <0.02 | 0.044 | <0.02 | <0.06 | <2 | 98 |
| W20-S30-12B 512281-05 1/5 | 0.18 | 8.0 | 2.6 | 14 | 140 | 96 |
| W45-S35-11B 512281-06 | <0.02 | 0.35 | 0.13 | 0.85 | 9.6 | 96 |
| W80-S55-3B 512281-07 1/100 | 9.2 | 230 | 53 | 270 | 2,800 | 94 |
| W20-S27-6S 512281-08 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 97 |
| W20-S30-10S 512281-09 | <0.02 | 0.058 | <0.02 | 0.084 | <2 | 96 |
| W20-S50-10S 512281-10 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 97 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/22/15
Date Received: 12/16/15
Project: 71201, F&BI 512281
Date Extracted: 12/16/15
Date Analyzed: 12/16/15 and 12/17/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W20-S52-7S 512281-11 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 97 |
| Method Blank 05-2535 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 94 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/22/15

Date Received: 12/16/15

Project: 71201, F&BI 512281

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512281-03 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 75 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 81 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 85 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 83 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 100 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

512281

SAMPLE CHAIN OF CUSTODY

ME12-16-15

VSZ

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple St STE 310
 City, State, ZIP Issaquah Wa 98027
 Phone # 425-395-0210 Fax # _____

SAMPLERS (signature) Ch [Signature]
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

Page # 1 of 2
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | |
|---------------------------|-------------------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|-------|--------------------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | |
| W10-520-65 | 01 ^{A-D} | 12/15/15 | 1400 | Soil | 4 | | X | X | | | | | | |
| W10-525-105 | 02 ^{A-C} | 12/15/15 | 1405 | Soil | 43 | | X | X | | | | | | |
| W10-542-125 | 03 ^{A-D} | 12/15/15 | 1410 | Soil | 4 | | X | X | | | | | | |
| W10-549-85 | 04 | 12/15/15 | 1415 | Soil | 4 | | X | X | | | | | | |
| W10-530-12B | 05 | 12/15/15 | 1420 | Soil | 4 | | X | X | | | | | | |
| W45-535-8B ¹¹⁵ | 06 | 14/15/15 | 1520 | Soil | 4 | | X | X | | | | | | per JB 12/17/15 ms |
| W80-555-3B | 07 | 12/15/15 | 1605 | Soil | 4 | | X | X | | | | | | |
| W20-527-65 | 08 | 12/16/15 | 930 | Soil | 4 | | X | X | | | | | | |
| W20-530-105 | 09 ^A | 12/16/15 | 935 | Soil | 4 | | X | X | | | | | | |
| W20-550-105 | 10 ^{A-C} | 12/16/15 | 940 | Soil | 34 | | X | X | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 93-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|------------------|---------|----------|-------|
| Relinquished by: <u>[Signature]</u> | Charles McFadden | EPI | 12/16/15 | 1305 |
| Received by: <u>[Signature]</u> | VINH | EPI | 12/16/15 | 1306 |
| Relinquished by: _____ | _____ | _____ | _____ | _____ |
| Received by: _____ | _____ | _____ | _____ | _____ |

Samples received at -1 °C

5722-1

SAMPLE COLLECTION OF CUSTODY

ME12-16-15

106

Send Report To Josh Bernthal

Company EPI

Address 1180 NW Maple St STE 310

City, State, ZIP Issaquah WA 98027

Phone # 425-395-0010 Fax #

SAMPLERS (signature) Ch McFadden

PROJECT NAME/NO. 71201 PO#

REMARKS

Page # 2 of 2

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
Rush charges authorized by

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | | | | | | | |
|-----------|--------------------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|--|--|--|--|--|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | | | | | | | |
| W2-552-75 | 11 ^A -D | 12/16/15 | 945 | Soil | 4 | | X | X | | | | | | | | | | | | | | | | |
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Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|-------------------------|----------------------------------|-----------------|-------------|
| Relinquished by: <u>Ch McFadden</u> | <u>Charles McFadden</u> | <u>EPI</u> | <u>12/16/15</u> | <u>1305</u> |
| Received by: <u>Vinh</u> | <u>VINH H</u> | <u>RBI</u> | <u>12/16/15</u> | <u>1306</u> |
| Relinquished by: | | | | |
| Received by: | | Samples received at <u>-1</u> °C | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 22, 2015

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201.0, F&BI 512291

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on December 17, 2015 from the 71201.0, F&BI 512291 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltres, Charles McFadden
EPI1222R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 17, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 71201.0, F&BI 512291 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 512291 -01 | E30-S32-18B |
| 512291 -02 | E27-S23-10S |
| 512291 -03 | E28-S44-9S |
| 512291 -04 | E26-S45-15S |
| 512291 -05 | E27-S22-16S |
| 512291 -06 | E15-S28-18B |
| 512291 -07 | E-5-S30-16B |
| 512291 -08 | W20-S30-14B |
| 512291 -09 | W5-S36-14B |
| 512291 -10 | W32-S52-4S |
| 512291 -11 | W29-S27-11S |
| 512291 -12 | W31-S33-12B |
| 512291 -13 | W29-S50-10S |
| 512291 -14 | W30-S25-8S |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/22/15
 Date Received: 12/17/15
 Project: 71201.0, F&BI 512291
 Date Extracted: 12/17/15
 Date Analyzed: 12/17/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| E30-S32-18B 512291-01 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 94 |
| E27-S23-10S 512291-02 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 99 |
| E28-S44-9S 512291-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 83 |
| E26-S45-15S 512291-04 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 84 |
| E27-S22-16S 512291-05 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 97 |
| E15-S28-18B 512291-06 | <0.02 | 0.038 | <0.02 | <0.06 | <2 | 98 |
| E-5-S30-16B 512291-07 | <0.02 | 0.094 | 0.030 | 0.20 | 3.2 | 98 |
| W20-S30-14B 512291-08 | <0.02 | 0.028 | <0.02 | <0.06 | <2 | 92 |
| W5-S36-14B 512291-09 | <0.02 | 0.083 | 0.024 | 0.17 | <2 | 98 |
| W32-S52-4S 512291-10 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 86 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/22/15
 Date Received: 12/17/15
 Project: 71201.0, F&BI 512291
 Date Extracted: 12/17/15
 Date Analyzed: 12/17/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W29-S27-11S 512291-11 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 85 |
| W31-S33-12B 512291-12 | <0.02 | 0.031 | <0.02 | 0.078 | <2 | 86 |
| W29-S50-10S 512291-13 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 85 |
| W30-S25-8S 512291-14 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 85 |
| Method Blank 05-2535 MB2 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 99 |
| Method Blank 05-2561 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 92 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/22/15
 Date Received: 12/17/15
 Project: 71201.0, F&BI 512291

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512281-03 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 75 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 81 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 85 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 83 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 100 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/22/15

Date Received: 12/17/15

Project: 71201.0, F&BI 512291

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512291-10 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 80 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 86 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 87 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 84 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 95 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- j1 - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

12291

SAMPLE CI N OF CUSTODY

ME 12/17/15

Page # 1 of 2 V52

Send Report To EPI - E KULTES / J. Bernhardt
 Company EPI
 Address 1180 NW Maple St Ste 310
 City, State, ZIP ISSAQUAH WA 98027
 Phone # 425-241-5400 Fax # _____

SAMPLERS (signature) [Signature]
 PROJECT NAME/NO. 71201.0 PO# _____
 REMARKS _____

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | Notes |
|----------------------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|---------------------------------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | |
| E30-532-18B | 01AD | 12/16/15 | 1320 | Soil | 4 | X | X | | | | | |
| E27-523-10S | 02 | | 1325 | | | X | X | | | | | |
| E28-544-9S | 03 | | 1330 | | | X | X | | | | | |
| E26-545-15S | 04 | | 1335 | | | X | X | | | | | |
| E27-522-16S | 05 | | 1340 | | | X | X | | | | | |
| E15-528-18B | 06 | | 1350 | | | X | X | | | | | |
| E-5-530-16B | 07 | | 1400 | | | X | X | | | | | |
| W20-530-12B ^{14B} | 08 | | 1405 | | | X | X | | | | | per JB 12/17/15 me. |
| W5-536-14B | 09 | | 1410 | | | X | X | | | | | Samples received at <u>3</u> °C |
| W32-552-4S | 10 | | 1425 | | | X | X | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044
 FORMS\COC\COC.DOC

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|----------------|---------|----------|------|
| Relinquished by: <u>[Signature]</u> | Josh Bernhardt | EPI | 12/16/15 | 0700 |
| Received by: <u>[Signature]</u> | Michael Erdahl | FE Bnc | 12/17/15 | 0755 |
| Relinquished by: | | | | |
| Received by: | | | | |

SAMPLE CHAIN OF CUSTODY

ME 12/17/15

V52

512291

Page # 2 of 2

Send Report To E. Kates / J. Berghel
 Company EPI
 Address 1180 NW Maple St Ste 310
 City, State, ZIP Issaquah, WA 98027
 Phone # 425-241-5400 Fax # _____

SAMPLERS (signature) [Signature]
 PROJECT NAME/NO. 71201.0 PO# _____
 REMARKS _____

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | | |
|-------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|-------|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | |
| W29-527-113 | 11A-D | 12/14/15 | 1420 | Soil | 4 | X | X | | | | | | | | |
| W31-533-12B | 12 | | 1415 | | | X | X | | | | | | | | |
| W29-550-105 | 13 | | 1423 | | | X | X | | | | | | | | |
| W30-525-85 | 14 | | 1417 | | | X | X | | | | | | | | |
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Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 83-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|----------------|---------|----------|------|
| Relinquished by: <u>[Signature]</u> | Josh Berghel | EPI | 12/14/15 | 0700 |
| Received by: <u>[Signature]</u> | Michael Enckel | F&Bmc | 12/17/15 | 0755 |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Araykina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 22, 2015

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 512316

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on December 17, 2015 from the 71201, F&BI 512316 project. There are 7 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Charles McFadden, Eric Koltes
EPI1222R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 17, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 512316 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 512316 -01 | W42-S27-6S |
| 512316 -02 | W42-S29-10S |
| 512316 -03 | W45-S37-11B |
| 512316 -04 | W41-S50-10S |
| 512316 -05 | W42-S55-6S |
| 512316 -06 | W54-S28-5S |
| 512316 -07 | W54-S30-10S |
| 512316 -08 | W56-S37-11B |
| 512316 -09 | W53-S52-10S |
| 512316 -10 | W54-S55-5S |
| 512316 -11 | W64-S29-5S |
| 512316 -12 | W66-S31-10S |
| 512316 -13 | W66-S50-8S |
| 512316 -14 | W66-S58-4S |
| 512316 -15 | E40-S19-6S |
| 512316 -16 | E42-S18-6S |
| 512316 -17 | E38-S21-6S |
| 512316 -18 | E40-S22-10B |
| 512316 -19 | E0-S49-10S |
| 512316 -20 | TP4:12 |
| 512316 -21 | TP5:12 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/22/15
 Date Received: 12/17/15
 Project: 71201, F&BI 512316
 Date Extracted: 12/18/15
 Date Analyzed: 12/18/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| W42-S27-6S 512316-01 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 97 |
| W42-S29-10S 512316-02 | <0.02 | <0.02 | <0.02 | 0.087 | <2 | 99 |
| W45-S37-11B 512316-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 98 |
| W41-S50-10S 512316-04 | <0.02 | 0.041 | <0.02 | <0.06 | <2 | 96 |
| W42-S55-6S 512316-05 | 0.30 | 1.6 | 0.10 | 0.55 | 7.8 | 89 |
| W54-S28-5S 512316-06 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 86 |
| W54-S30-10S 512316-07 | <0.02 | 0.51 | 0.13 | 0.78 | 6.4 | 88 |
| W56-S37-11B 512316-08 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 85 |
| W53-S52-10S 512316-09 | 0.13 | 0.43 | <0.02 | <0.06 | <2 | 89 |
| W54-S55-5S 512316-10 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 97 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/22/15
 Date Received: 12/17/15
 Project: 71201, F&BI 512316
 Date Extracted: 12/18/15
 Date Analyzed: 12/18/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W64-S29-5S 512316-11 | <0.02 | 0.22 | 0.12 | 0.83 | 11 | 96 |
| W66-S31-10S 512316-12 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 88 |
| W66-S50-8S 512316-13 | 0.022 | 0.099 | <0.02 | <0.06 | <2 | 87 |
| W66-S58-4S 512316-14 | <0.02 | 0.079 | 0.084 | 0.55 | 16 | 88 |
| E40-S19-6S 512316-15 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 97 |
| E42-S18-6S 512316-16 | <0.02 | 0.028 | <0.02 | <0.06 | <2 | 97 |
| E38-S21-6S 512316-17 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 97 |
| E40-S22-10B 512316-18 | <0.02 | 0.076 | 0.034 | 0.21 | 2.3 | 87 |
| E0-S49-10S 512316-19 | <0.02 | 0.086 | <0.02 | <0.06 | <2 | 97 |
| TP4:12 512316-20 | 0.024 | 0.16 | <0.02 | <0.06 | <2 | 98 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/22/15
Date Received: 12/17/15
Project: 71201, F&BI 512316
Date Extracted: 12/18/15
Date Analyzed: 12/18/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| TP5:12 512316-21 | 0.026 | 0.30 | <0.02 | 0.15 | <2 | 88 |
| Method Blank 05-2561 MB2 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 91 |
| Method Blank 05-2564 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 96 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/22/15
 Date Received: 12/17/15
 Project: 71201, F&BI 512316

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512291-10 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 80 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 86 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 87 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 84 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 95 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/22/15
 Date Received: 12/17/15
 Project: 71201, F&BI 512316

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512316-15 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 80 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 88 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 89 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 86 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 95 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

512316

SAMPLE C/N OF CUSTODY

ME 12-17-15

03

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple St STE 310
 City, State, ZIP Issaquah WA 98027
 Phone # 425-395-0010 Fax # _____

SAMPLERS (signature) Ch McFadden
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

Page # 1 of 3
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | |
|-------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | |
| W42-527-6s | 01A | 12/17/15 | 830 | Soil | 4 | | X | X | | | | | | | | | | |
| W42-529-10s | 02 | 12/17/15 | 833 | Soil | 4 | | X | X | | | | | | | | | | |
| W45-537-11B | 03 | 12/17/15 | 838 | Soil | 4 | | X | X | | | | | | | | | | |
| W41-550-10s | 04 | 12/17/15 | 844 | Soil | 4 | | X | X | | | | | | | | | | |
| W42-555-10s | 05 | 12/17/15 | 849 | Soil | 4 | | X | X | | | | | | | | | | |
| W54-528-5s | 06 | 12/17/15 | 857 | Soil | 4 | | X | X | | | | | | | | | | |
| W54-530-10s | 07 | 12/17/15 | 904 | Soil | 4 | | X | X | | | | | | | | | | |
| W56-537-11B | 08 | 12/17/15 | 909 | Soil | 4 | | X | X | | | | | | | | | | |
| W53-552-10s | 09 | 12/17/15 | 913 | Soil | 4 | | X | X | | | | | | | | | | |
| W54-555-5s | 10 | 12/17/15 | 917 | Soil | 4 | | X | X | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|------------------|---------------------|----------|----------|
| Relinquished by: <u>Ch McFadden</u> | Charles McFadden | EPI | 12/17/15 | 1550 |
| Received by: <u>Jana Bruya</u> | Jana Bruya | F3B | 2/17 | 1550 |
| Relinquished by: | | | | |
| Received by: | | Samples received at | <u>3</u> | <u>C</u> |

SAMPLE CHAIN OF CUSTODY

ME 12-17-15

193

512316

Page # 2 of 3

Send Report To Josh Bernthal

SAMPLERS (signature) Ch M

Company EPI

PROJECT NAME/NO. PO#

Address 1180 NW Maple St STE 310

71201

City, State, ZIP Issaquah WA 98027

REMARKS

Phone # 425-545-0010 Fax #

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | |
|-------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | |
| W64-529-5s | 11 A | 12/17/15 | 938 | Soil | 4 | X | X | | | | | | | | | | |
| W66-531-10s | 12 | 12/17/15 | 942 | Soil | 4 | X | X | | | | | | | | | | |
| W66-550-8s | B | 12/17/15 | 948 | Soil | 4 | X | X | | | | | | | | | | |
| W66-558-4s | 14 | 12/17/15 | 952 | Soil | 4 | X | X | | | | | | | | | | |
| E40-519-6s | 15 | 12/17/15 | 1043 | Soil | 4 | X | X | | | | | | | | | | |
| E42-518-6s | 16 | 12/17/15 | 1049 | Soil | 4 | X | X | | | | | | | | | | |
| E38-521-6s | 17 | 12/17/15 | 1053 | Soil | 4 | X | X | | | | | | | | | | |
| E40-522-10B | 18 | 12/17/15 | 1059 | Soil | 4 | X | X | | | | | | | | | | |
| E0-549-10s | 19 | 12/17/15 | 1109 | Soil | 4 | X | X | | | | | | | | | | |
| TP4:12 | 20 | 12/16/15 | 1515 | Soil | 4 | X | X | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 33-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---------------------------------|------------------|---------|----------|------|
| Relinquished by: <u>Ch M</u> | Charles McFadden | EPI | 12/17/15 | 1550 |
| Received by: <u>James Bruya</u> | James Bruya | F&B | 12/17 | 1550 |
| Relinquished by: | | | | |
| Received by: | | | | |

Samples received at 3:00

SAMPLE CI N OF CUSTODY

ME 12-17-15

113
3 of 3

712316
Send Report To Josh Bernthal
Company EPI
Address 1180 NW Maple St STE 310
City, State, ZIP Issaquah WA 98027
Phone # 425-395010 Fax # _____

SAMPLERS (signature) Ch M
PROJECT NAME/NO. 71201 PO# _____
REMARKS _____

Page # 3 of 3
TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
Rush charges authorized by _____
SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | |
|-----------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | |
| TP5: 12 | 11A-D | 12/16/15 | 1530 | Soil | 4 | | XX | | | | | | | |
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Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---------------------------------|------------------------|----------------|---------------------------------|-------------|
| Relinquished by: <u>Ch M</u> | <u>Charles Mufadda</u> | <u>EPI</u> | <u>12/16/15</u> | <u>1550</u> |
| Received by: <u>James Bruya</u> | <u>James Bruya</u> | <u>F&B</u> | <u>12/17</u> | <u>1530</u> |
| Relinquished by: | | | Samples received at <u>3</u> °C | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Araykina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 29, 2015

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 512358

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on December 21, 2015 from the 71201, F&BI 512358 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltes, Charles McFadden
EPI1229R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 21, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 512358 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 512358-01 | PW-1 |
| 512358-02 | W78-S32-10s |
| 512358-03 | W76-S30-5s |
| 512358-04 | W77-S53-8s |
| 512358-05 | W18-S60-4s |
| 512358-06 | W70-S37-11B |
| 512358-07 | W30-S60-4s |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/29/15
 Date Received: 12/21/15
 Project: 71201, F&BI 512358
 Date Extracted: 12/21/15
 Date Analyzed: 12/21/15 and 12/22/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| W78-S32-10s 512358-02 1/20 | 0.92 | 34 | 8.2 | 46 | 380 | 92 |
| W76-S30-5s 512358-03 | <0.02 | 0.71 | 0.27 | 1.7 | 16 | 96 |
| W77-S53-8s 512358-04 | <0.02 | 0.066 | <0.02 | <0.06 | <2 | 87 |
| W18-S60-4s 512358-05 1/5 | 0.48 | 3.1 | 0.23 | 1.3 | 13 | 96 |
| W70-S37-11B 512358-06 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 87 |
| W30-S60-4s 512358-07 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 90 |
| Method Blank 05-2567 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 96 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/29/15
Date Received: 12/21/15
Project: 71201, F&BI 512358
Date Extracted: 12/21/15
Date Analyzed: 12/21/15

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 52-124) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| PW-1 512358-01 | <1 | <1 | <1 | <3 | <100 | 89 |
| Method Blank 05-2570 MB | <1 | <1 | <1 | <3 | <100 | 86 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/29/15
 Date Received: 12/21/15
 Project: 71201, F&BI 512358

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512349-02 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|--------------------|------------------------------|---------------------------------|-------------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|--------------------|----------------|----------------------------|------------------------|
| Benzene | mg/kg (ppm) | 0.5 | 90 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 99 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 101 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 98 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 90 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/29/15
 Date Received: 12/21/15
 Project: 71201, F&BI 512358

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
 SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512358-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|-----------------|---------------|------------------|----------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | <1 | <1 | nm |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | ug/L (ppb) | 50 | 97 | 65-118 |
| Toluene | ug/L (ppb) | 50 | 94 | 72-122 |
| Ethylbenzene | ug/L (ppb) | 50 | 94 | 73-126 |
| Xylenes | ug/L (ppb) | 150 | 93 | 74-118 |
| Gasoline | ug/L (ppb) | 1,000 | 91 | 69-134 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

516-58

SAMPLE CI N OF CUSTODY

ME 12/21/15 11/15/1

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple St STE 310
 City, State, ZIP Issaquah WA 98027
 Phone # 425-395-0010 Fax # _____

SAMPLERS (signature) Ch Mc
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | | |
|-------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|---------------------------------|-------|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | |
| PW-1 | 01A | 12/18/15 | 1420 | water | 3 | X | X | | | | | | | | |
| W78-532-10s | 02D | 12/19/15 | 1223 | Soil | 4 | X | X | | | | | | | | |
| W76-530-5s | 03 | | 1217 | | | X | X | | | | | | | | |
| W77-557-8s | 04 | | 1229 | | | X | X | | | | | | | | |
| W78-560-4s | 05 | | 1238 | | | X | X | | | | | | | | |
| W70-537-11B | 06 | | 1245 | | | X | X | | | | | | | | |
| W30-560-4s | 07 | | 1259 | | | X | X | | | | | | | | |
| | | | | | | | | | | | | Samples received at <u>4</u> °C | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-----------------------------------|------------------|---------|----------|------|
| Relinquished by: <u>Ch Mc</u> | Charles McFadden | EPI | 12/21/15 | 0753 |
| Received by: <u>Michael Edahl</u> | Michael Edahl | FE Bic | ↓ | ↓ |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 29, 2015

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 512397

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on December 22, 2015 from the 71201, F&BI 512397 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Charles McFadden, Eric Koltes
EPI1229R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 22, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 512397 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 512397 -01 | MW-2 |
| 512397 -02 | MW-5 |
| 512397 -03 | MW-1 |
| 512397 -04 | MW-3 |
| 512397 -05 | MW-4 |
| 512397 -06 | MW-6 |
| 512397 -07 | PW-1-2 |
| 512397 -08 | PW-2-1 |
| 512397 -09 | PW-1-3 |
| 512397 -10 | PW-2-2 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/29/15
 Date Received: 12/22/15
 Project: 71201, F&BI 512397
 Date Extracted: 12/22/15
 Date Analyzed: 12/22/15

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 52-124) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| MW-2 512397-01 | <1 | <1 | <1 | <3 | <100 | 88 |
| MW-5 512397-02 | <1 | 5.5 | 2.5 | 13 | 190 | 87 |
| MW-1 512397-03 | <1 | 2.2 | <1 | <3 | <100 | 87 |
| MW-3 512397-04 | <1 | 1.4 | <1 | <3 | <100 | 81 |
| MW-4 512397-05 | <1 | <1 | <1 | <3 | <100 | 89 |
| MW-6 512397-06 | <1 | <1 | <1 | <3 | <100 | 85 |
| PW-1-2 512397-07 | <1 | <1 | <1 | <3 | <100 | 84 |
| PW-2-1 512397-08 | <1 | <1 | <1 | <3 | <100 | 89 |
| PW-1-3 512397-09 | <1 | <1 | <1 | <3 | <100 | 85 |
| PW-2-2 512397-10 | <1 | <1 | <1 | <3 | <100 | 88 |
| Method Blank 05-2591 MB | <1 | <1 | <1 | <3 | <100 | 87 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/29/15
 Date Received: 12/22/15
 Project: 71201, F&BI 512397

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
 SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512397-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|-----------------|---------------|------------------|----------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | <1 | <1 | nm |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | ug/L (ppb) | 50 | 94 | 65-118 |
| Toluene | ug/L (ppb) | 50 | 92 | 72-122 |
| Ethylbenzene | ug/L (ppb) | 50 | 92 | 73-126 |
| Xylenes | ug/L (ppb) | 150 | 91 | 74-118 |
| Gasoline | ug/L (ppb) | 1,000 | 93 | 69-134 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

5123.7

SAMPLE CHAIN OF CUSTODY

ME 12/22/15

V5

Send Report To Josh Bernthal

Company EPI

Address 1180 NW Maple St STE 310

City, State, ZIP Issaquah Wa 98027

Phone # 425395-0010 Fax #

SAMPLERS (signature) Ch M

PROJECT NAME/NO. 71201 PO#

REMARKS

Page # 1 of 1

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | |
|-----------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | |
| MW-2 | 01 | 12/21/15 | 937 | Water | 3 | | X | X | | | | | | | | | |
| MW-5 | 02 | | 1014 | | | | X | X | | | | | | | | | |
| MW-1 | 03 | | 1046 | | | | X | X | | | | | | | | | |
| MW-3 | 04 | | 1220 | | | | X | X | | | | | | | | | |
| MW-4 | 05 | | 1245 | | | | X | X | | | | | | | | | |
| MW-6 | 06 | | 1325 | | | | X | X | | | | | | | | | |
| PW-1-2 | 07 | | 1439 | | | | X | X | | | | | | | | | |
| PW-2-1 | 08 | | 1457 | | | | X | X | | | | | | | | | |
| PW-1-3 | 09 | 12/21/15 | 900 | Water | 3 | | X | X | | | | | | | | | |
| PW-2-2 | 10 | 12/22/15 | 905 | Water | 3 | | X | X | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|--|------------------------|---------------------------------|----------|-------|
| Relinquished by: <u>Ch M</u> | Charles McFadden | EPI | 12/22/15 | |
| Received by: <u>Elizabeth Webber-Bruya</u> | Elizabeth Webber-Bruya | EPI | 12/22/15 | 14:21 |
| Relinquished by: | | | | |
| Received by: | | Samples received at <u>4:00</u> | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 5, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 512491

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on December 31, 2015 from the 71201, F&BI 512491 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Charles McFadden, Eric Koltes
EPI0105R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 31, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 512491 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 512491 -01 | MW-7 |
| 512491 -02 | MW-8 |
| 512491 -03 | MW-9 |
| 512491 -04 | MW-10 |
| 512491 -05 | MW-11 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/05/16
 Date Received: 12/31/15
 Project: 71201, F&BI 512491
 Date Extracted: 12/31/15
 Date Analyzed: 12/31/15

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| MW-7 512491-01 | <1 | <1 | <1 | <3 | <100 | 88 |
| MW-8 512491-02 | <1 | <1 | <1 | <3 | <100 | 90 |
| MW-9 512491-03 | <1 | <1 | <1 | <3 | <100 | 90 |
| MW-10 512491-04 | <1 | <1 | <1 | <3 | <100 | 89 |
| MW-11 512491-05 | <1 | <1 | <1 | <3 | <100 | 89 |
| Method Blank 05-2638 MB | <1 | <1 | <1 | <3 | <100 | 88 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/05/16
 Date Received: 12/31/15
 Project: 71201, F&BI 512491

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
 SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512491-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|-----------------|---------------|------------------|----------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | <1 | <1 | nm |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | ug/L (ppb) | 50 | 91 | 72-119 |
| Toluene | ug/L (ppb) | 50 | 94 | 71-113 |
| Ethylbenzene | ug/L (ppb) | 50 | 96 | 72-114 |
| Xylenes | ug/L (ppb) | 150 | 82 | 72-113 |
| Gasoline | ug/L (ppb) | 1,000 | 100 | 70-119 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht - The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

~~512491~~ 512491

SAMPLE CHAIN OF CUSTODY

ME 12/31/15

Send Report To Josh Bernthal
 Company ~~1180 NW Maple St. EPI~~
 Address 1180 NW Maple St.
 City, State, ZIP Issaquah, WA
 Phone # 425-395-0010 Fax # _____

SAMPLERS (signature) [Signature]
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

Page # 1 of 1

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH _____
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | | | | |
|-----------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|---------------------------------|--|--|--|-------|--|--|--|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | | | | |
| MW-7 | 01A-C | 12/31/15 | 1041 | Water | 3 | | X | X | | | | | | | | | | | | | |
| MW-8 | 02A-C | ↓ | 1012 | ↓ | ↓ | | X | X | | | | | | | | | | | | | |
| MW-9 | 03A-C | ↓ | 0858 | ↓ | ↓ | | X | X | | | | | | | | | | | | | |
| MW-10 | 04A-C | ↓ | 0925 | ↓ | ↓ | | X | X | | | | | | | | | | | | | |
| MW-11 | 05A-C | ↓ | 0949 | ↓ | ↓ | | X | X | | | | | | | | | | | | | |
| | | | | | | | | | | | | Samples received at <u>1</u> °C | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044
 FORMS\COC\COC.DOC

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|--------------------|------------|-----------------|--------------|
| Relinquished by: <u>[Signature]</u> | <u>Joe Sherman</u> | <u>EPI</u> | <u>12/31/15</u> | <u>11:15</u> |
| Received by: <u>[Signature]</u> | <u>VINAY</u> | <u>FBI</u> | <u>12/31/15</u> | <u>14:5</u> |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

February 18, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 512492

Dear Mr. Bernthal:

Included is the amended report from the testing of material submitted on December 31, 2015 from the 71201, F&BI 512492 project. Sample ID MW-8:5 has been amended to MW-7:5.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon, Charles McFadden, Eric Koltjes
EPI0105R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 5, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 512492

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on December 31, 2015 from the 71201, F&BI 512492 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon, Charles McFadden, Eric Koltes
EPI0105R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 31, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 512492 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 512492 -01 | MW-7:5 |
| 512492 -02 | MW-7:10 |
| 512492 -03 | MW-8:4 |
| 512492 -04 | MW-9:4 |
| 512492 -05 | MW-10:4 |
| 512492 -06 | MW-10:9 |
| 512492 -07 | MW-11:4 |
| 512492 -08 | MW-11:7.5 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/05/16
 Date Received: 12/31/15
 Project: 71201, F&BI 512492
 Date Extracted: 12/31/15
 Date Analyzed: 01/01/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| MW-7:5 512492-01 | <0.02 | 0.040 | <0.02 | <0.06 | <2 | 89 |
| MW-7:10 512492-02 | <0.02 | 0.028 | <0.02 | <0.06 | <2 | 90 |
| MW-8:4 512492-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 91 |
| MW-9:4 512492-04 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 90 |
| MW-10:4 512492-05 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 81 |
| MW-10:9 512492-06 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 90 |
| MW-11:4 512492-07 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 90 |
| MW-11:7.5 512492-08 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 90 |
| Method Blank 05-2630 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 89 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/05/16

Date Received: 12/31/15

Project: 71201, F&BI 512492

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512493-01 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | mg/kg (ppm) | 0.5 | 85 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 95 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 97 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 95 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 100 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

512492

SAMPLE CHAIN OF CUSTODY

ME 12/31/15 VS2

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple St STE 310
 City, State, ZIP Fossyueh WA 98027
 Phone # 425-315-0010 Fax # _____

SAMPLERS (signature) Ch McFadden
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | |
|-----------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|---------------------------------|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | |
| MW-8:5 | 01A | 12/29/15 | 0827 | Soil | 4 | X | X | | | | | | | |
| MW-7:10 | 02 | | 0858 | | | X | X | | | | | | | |
| MW-8:4 | 03 | | 1055 | | | X | X | | | | | | | |
| MW-9:4 | 04 | | 1308 | | | X | X | | | | | | | |
| MW-10:4 | 05 | | 1450 | | | X | X | | | | | | | |
| MW-10:9 | 06 | | 1504 | | | X | X | | | | | | | |
| MW-11:4 | 07 | 12/30/15 | 919 | Soil | 4 | X | X | | | | | | | |
| MW-11:7.5 | 08 | 12/30/15 | 950 | Soil | 4 | X | X | | | | | | | |
| | | | | | | | | | | | | samples received at <u>4</u> °C | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|------------------|---------|----------|------|
| Relinquished by: <u>Ch McFadden</u> | Charles McFadden | EPI | 12/31/15 | 1:45 |
| Received by: <u>VINH</u> | VINH | FBI | 12/31/15 | 1:45 |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 5, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 512493

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on December 31, 2015 from the 71201, F&BI 512493 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Charles McFadden, Eric Koltes
EPI0105R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 31, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 512493 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 512493 -01 | E30-S52-4S |
| 512493 -02 | W20-S33-14B |
| 512493 -03 | W20-S21-12S |
| 512493 -04 | W20-S21-7S |
| 512493 -05 | PW-1-6 |
| 512493 -06 | PW-2-5 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/05/16
Date Received: 12/31/15
Project: 71201, F&BI 512493
Date Extracted: 12/31/15
Date Analyzed: 01/01/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| E30-S52-4S 512493-01 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 90 |
| W20-S33-14B 512493-02 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 90 |
| W20-S21-12S 512493-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 90 |
| W20-S21-7S 512493-04 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 89 |
| Method Blank 05-2630 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 89 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/05/16
Date Received: 12/31/15
Project: 71201, F&BI 512493
Date Extracted: 12/31/15
Date Analyzed: 12/31/15 and 01/01/16

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| PW-1-6 512493-05 | <1 | <1 | <1 | <3 | <100 | 89 |
| PW-2-5 512493-06 | <1 | <1 | <1 | <3 | <100 | 91 |
| Method Blank 05-2638 MB | <1 | <1 | <1 | <3 | <100 | 88 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/05/16
 Date Received: 12/31/15
 Project: 71201, F&BI 512493

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512493-01 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 85 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 95 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 97 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 95 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 100 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/05/16
 Date Received: 12/31/15
 Project: 71201, F&BI 512493

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
 SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512491-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|-----------------|---------------|------------------|----------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | <1 | <1 | nm |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | ug/L (ppb) | 50 | 91 | 72-119 |
| Toluene | ug/L (ppb) | 50 | 94 | 71-113 |
| Ethylbenzene | ug/L (ppb) | 50 | 96 | 72-114 |
| Xylenes | ug/L (ppb) | 150 | 82 | 72-113 |
| Gasoline | ug/L (ppb) | 1,000 | 100 | 70-119 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 5, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 512494

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on December 31, 2015 from the 71201, F&BI 512494 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Charles McFadden, Eric Koltres
EPI0105R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 31, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 512494 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 512494 -01 | MW-2 |
| 512494 -02 | MW-5 |
| 512494 -03 | MW-1 |
| 512494 -04 | MW-3 |
| 512494 -05 | MW-4 |
| 512494 -06 | MW-6 |
| 512494 -07 | PW-1-4 |
| 512494 -08 | PW-2-3 |
| 512494 -09 | PW-1-5 |
| 512494 -10 | PW-2-4 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/05/16
 Date Received: 12/31/15
 Project: 71201, F&BI 512494
 Date Extracted: 12/31/15
 Date Analyzed: 12/31/15

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| MW-2 512494-01 | <1 | <1 | <1 | <3 | <100 | 90 |
| MW-5 512494-02 | <1 | 8.7 | 7.8 | 60 | 340 | 88 |
| MW-1 512494-03 | <1 | 1.5 | <1 | <3 | <100 | 90 |
| MW-3 512494-04 | <1 | 1.3 | <1 | <3 | <100 | 89 |
| MW-4 512494-05 | <1 | <1 | <1 | <3 | <100 | 87 |
| MW-6 512494-06 | <1 | <1 | <1 | <3 | <100 | 89 |
| PW-1-4 512494-07 | <1 | <1 | <1 | <3 | <100 | 90 |
| PW-2-3 512494-08 | <1 | <1 | <1 | <3 | <100 | 79 |
| PW-1-5 512494-09 | <1 | <1 | <1 | <3 | <100 | 90 |
| PW-2-4 512494-10 | <1 | <1 | <1 | <3 | <100 | 89 |
| Method Blank 05-2638 MB | <1 | <1 | <1 | <3 | <100 | 88 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/05/16

Date Received: 12/31/15

Project: 71201, F&BI 512494

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 512491-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|-----------------|---------------|------------------|----------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | <1 | <1 | nm |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | ug/L (ppb) | 50 | 91 | 72-119 |
| Toluene | ug/L (ppb) | 50 | 94 | 71-113 |
| Ethylbenzene | ug/L (ppb) | 50 | 96 | 72-114 |
| Xylenes | ug/L (ppb) | 150 | 82 | 72-113 |
| Gasoline | ug/L (ppb) | 1,000 | 100 | 70-119 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

512494

SAMPLE CHAIN OF CUSTODY

ME 12/31/15 VS

Send Report To Josh Bernthal
Company EPC
Address 1190 NW Maple St STE 310
City, State, ZIP Irrigway WA 98027
Phone # 425-395-090 Fax # _____

SAMPLERS (signature) [Signature] of _____

PROJECT NAME/NO. 71201 PO# _____

REMARKS _____

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | Notes | |
|-----------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | |
| MW-2 | 01A | 12/29/15 | 905 | water | 3 | X | X | | | | | | |
| MW-5 | 02 | | 941 | | | X | X | | | | | | |
| MW-8 | 03 | | 1015 | | | X | X | | | | | | |
| MW-3 | 04 | | 1115 | | | X | X | | | | | | |
| MW-4 | 05 | | 1243 | | | X | X | | | | | | |
| MW-6 | 06 | | 1318 | | | X | X | | | | | | |
| PW-1-4 | 07 | | 1605 | | | X | X | | | | | | |
| PW-2-3 | 08 | | 1610 | | | X | X | | | | | | |
| PW-1-5 | 09 | 12/30/15 | 1358 | water | 3 | X | X | | | | | | |
| PW-2-4 | 10 | 12/30/15 | 1402 | water | 3 | X | X | | | | | | |

plus received at 4 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|------------------|---------|----------|------|
| Relinquished by: <u>[Signature]</u> | Charles McFadden | EPC | 12/31/15 | 1:45 |
| Received by: <u>[Signature]</u> | VINTH | FBI | 12/31/15 | 1:45 |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 13, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: Cle Elum Spill MP80 71201, F&BI 601028

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 6, 2016 from the Cle Elum Spill MP80 71201, F&BI 601028 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Charles McFadden, Eric Koltes
EPI0113R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 6, 2016 by Friedman & Bruya, Inc. from the Environmental Partners Cle Elum Spill MP80 71201, F&BI 601028 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601028 -01 | MW-7 |
| 601028 -02 | MW-2 |
| 601028 -03 | MW-5 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/13/16
Date Received: 01/06/16
Project: Cle Elum Spill MP80 71201, F&BI 601028
Date Extracted: 01/06/16
Date Analyzed: 01/06/16

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 52-124) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| MW-7 601028-01 | <1 | <1 | <1 | <3 | <100 | 92 |
| MW-2 601028-02 | <1 | 1.7 | <1 | <3 | <100 | 93 |
| MW-5 601028-03 | <1 | <1 | 2.3 | 31 | 190 | 94 |
| Method Blank 06-003 MB | <1 | <1 | <1 | <3 | <100 | 91 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/13/16

Date Received: 01/06/16

Project: Cle Elum Spill MP80 71201, F&BI 601028

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601028-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|--------------------|------------------|---------------------|-------------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | <1 | <1 | nm |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|--------------------|----------------|-----------------|------------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | ug/L (ppb) | 50 | 102 | 65-118 |
| Toluene | ug/L (ppb) | 50 | 90 | 72-122 |
| Ethylbenzene | ug/L (ppb) | 50 | 90 | 73-126 |
| Xylenes | ug/L (ppb) | 150 | 89 | 74-118 |
| Gasoline | ug/L (ppb) | 1,000 | 100 | 69-134 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
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- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601028

SAMPLE CHAIN OF CUSTODY

ME01-06-16

VI



Send Report To Jack Bmthel
 Company EPI
 Address 1180 NW Park St. Ste 310
 City, State, ZIP Issaquah, WA 98027
 Phone # _____ Fax # _____

SAMPLERS (~~signature~~)
 PROJECT NAME/NO. Cle eden Sr. 11 MW 80 / 71201 PO# 71201
 REMARKS

Page # 1 of 6
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH 24-hr
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | |
|-----------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | |
| MW-7 | 01AC | 1/5/16 | 1165 | Water | 300A | | X | X | | | | | | |
| MW-2 | 02 | ↓ | 1140 | ↓ | ↓ | | X | X | | | | | | |
| MW-5 | 03V | ↓ | 1210 | ↓ | ↓ | | X | X | | | | | | |
| / | | | | | | | | | | | | | | |
| / | | | | | | | | | | | | | | |
| / | | | | | | | | | | | | | | |
| / | | | | | | | | | | | | | | |
| / | | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|--|-----------------|---------|--------|------|
| Relinquished by:  | Bryan Miles | EPI | 1/6/16 | 0750 |
| Received by:  | Michael E. Gohl | FCBm | ↓ | ↓ |
| Relinquished by: | | | | |
| Received by: | | | | |
| Samples received at <u>5</u> °C | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 13, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 601029

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 6, 2016 from the 71201, F&BI 601029 project. There are 7 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon, Charles McFadden, Eric Koltes
EPI0113R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 6, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 601029 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601029 -01 | PW-1-7 |
| 601029 -02 | W88-S30-5S |
| 601029 -03 | W88-S32-8S |
| 601029 -04 | PW-2-6 |
| 601029 -05 | W81-S40-10B |
| 601029 -06 | W90-S51-8S |
| 601029 -07 | W88-S61-4S |
| 601029 -08 | W112-S38-6C |
| 601029 -09 | W76-S27-10S |
| 601029 -10 | W76-S27-6S |
| 601029 -11 | W78-S27-10S |
| 601029 -12 | W78-S27-6S |
| 601029 -13 | W100-S61-4S |
| 601029 -14 | W99-S53-8S |
| 601029 -15 | W92-S39-10B |
| 601029 -16 | W100-S27-8S |
| 601029 -17 | W101-S26-4S |
| 601029 -18 | W77-S31-11B |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/13/16
 Date Received: 01/06/16
 Project: 71201, F&BI 601029
 Date Extracted: 01/06/16
 Date Analyzed: 01/06/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-132) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| W88-S30-5S 601029-02 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 85 |
| W88-S32-8S 601029-03 | <0.02 | 0.054 | <0.02 | <0.06 | 2.2 | 88 |
| W81-S40-10B 601029-05 1/50 | 1.2 | 55 | 17 | 100 | 910 | 95 |
| W90-S51-8S 601029-06 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 87 |
| W88-S61-4S 601029-07 | <0.02 | 0.036 | <0.02 | <0.06 | <2 | 87 |
| W112-S38-6C 601029-08 1/50 | 5.6 | 130 | 31 | 170 | 1,500 | 94 |
| W76-S27-10S 601029-09 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 89 |
| W76-S27-6S 601029-10 | <0.02 | 0.028 | <0.02 | <0.06 | <2 | 89 |
| W78-S27-10S 601029-11 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 87 |
| W78-S27-6S 601029-12 | <0.02 | <0.02 | <0.02 | 0.16 | 3.6 | 89 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/13/16
 Date Received: 01/06/16
 Project: 71201, F&BI 601029
 Date Extracted: 01/06/16
 Date Analyzed: 01/06/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-132) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| W100-S61-4S 601029-13 | 0.026 | 1.4 | 0.65 | 4.6 | 56 | 95 |
| W99-S53-8S 601029-14 | 0.037 | 0.12 | <0.02 | <0.06 | <2 | 87 |
| W92-S39-10B 601029-15 1/5 | 0.69 | 28 | 6.9 | 37 | 370 | 101 |
| W100-S27-8S 601029-16 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 87 |
| W101-S26-4S 601029-17 | <0.02 | 0.091 | 0.026 | 0.21 | 2.4 | 83 |
| W77-S31-11B 601029-18 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 87 |
| Method Blank 06-004 MB2 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 84 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/13/16
Date Received: 01/06/16
Project: 71201, F&BI 601029
Date Extracted: 01/06/16
Date Analyzed: 01/06/16

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 52-124) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| PW-1-7 601029-01 | <1 | <1 | <1 | <3 | <100 | 93 |
| PW-2-6 601029-04 | <1 | <1 | <1 | <3 | <100 | 91 |
| Method Blank 06-003 MB | <1 | <1 | <1 | <3 | <100 | 91 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/13/16

Date Received: 01/06/16

Project: 71201, F&BI 601029

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Percent Recovery LCSD | Acceptance Criteria | RPD (Limit 20) |
|--------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Benzene | mg/kg (ppm) | 0.5 | 80 | 76 | 66-121 | 5 |
| Toluene | mg/kg (ppm) | 0.5 | 95 | 92 | 72-128 | 3 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 95 | 94 | 69-132 | 1 |
| Xylenes | mg/kg (ppm) | 1.5 | 95 | 94 | 69-131 | 1 |
| Gasoline | mg/kg (ppm) | 20 | 95 | 100 | 61-153 | 5 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/13/16
 Date Received: 01/06/16
 Project: 71201, F&BI 601029

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
 SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601028-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|-----------------|---------------|------------------|----------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | <1 | <1 | nm |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | ug/L (ppb) | 50 | 102 | 65-118 |
| Toluene | ug/L (ppb) | 50 | 90 | 72-122 |
| Ethylbenzene | ug/L (ppb) | 50 | 90 | 73-126 |
| Xylenes | ug/L (ppb) | 150 | 89 | 74-118 |
| Gasoline | ug/L (ppb) | 1,000 | 100 | 69-134 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

01024

SAMPLE CI N OF CUSTODY ME 01-06-16

VSD/VQ2

Send Report To Josh Bernthal
 Company EPI
 Address 15800 NW Maple St STE 310
 City, State, ZIP Issaquah Wa 98021
 Phone # 425-395-6010 Fax # _____

SAMPLERS (signature) Ch M
 PROJECT NAME/NO. 71261 PO# _____
 REMARKS _____

Page # 1 of 2
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | |
|-------------|------------------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | |
| PW-1-7 | 01 ^{A-} | 1/4/16 | 931 | water | 3 | | X | X | | | | | | | | | | |
| W88-530-5s | 02 ^{A-} | 1/4/16 | 1322 | Soil | 4 | | X | X | | | | | | | | | | |
| W88-532-8s | 03 ^{A-} | 1/4/16 | 1328 | Soil | 4 | | X | X | | | | | | | | | | |
| PW-2-6 | 04 ^{A-} | 1/4/16 | 936 | water | 3 | | X | X | | | | | | | | | | |
| W81-540-10B | 05 ^{A-} | 1/4/16 | 1332 | soil | 4 | | X | X | | | | | | | | | | |
| W90-551-8s | 06 | 1/4/16 | 1337 | Soil | 4 | | X | X | | | | | | | | | | |
| W88-561-4s | 07 | 1/4/16 | 1343 | Soil | 4 | | X | X | | | | | | | | | | |
| W112-538-6c | 08 | 1/4/16 | 1442 | soil | 4 | | X | X | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-----------------------------------|------------------|---------|------------------------------|------|
| Relinquished by: <u>Ch M</u> | Charles McFadden | EPI | 1/5/16 | |
| Received by: <u>Michael Engel</u> | Michael Engel | FCR | 1/6/16 | 0750 |
| Relinquished by: | | | | |
| Received by: | | | Samples received at <u>2</u> | °C |

601029

SAMPLE CHAIN OF CUSTODY

ME 01-06-16

Page # 2 of 2 v2/v2

Send Report To Josh Benthall
 Company EPI
 Address 111 NW Maple St STE 310
 City, State, ZIP Issaquah WA 98027
 Phone # 425-395-0010 Fax # _____

SAMPLERS (signature) [Signature]
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | | |
|-------------|------------------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | | |
| W76-527-10s | 09 th | 1/5/16 | 1140 | Soil | 4 | | X | X | | | | | | | | | | | |
| W76-527-6s | 10 | 1/5/16 | 1143 | Soil | 4 | | X | X | | | | | | | | | | | |
| W78-527-10s | 11 | 1/5/16 | 1149 | Soil | 4 | | X | X | | | | | | | | | | | |
| W78-527-6s | 12 | 1/5/16 | 1156 | Soil | 4 | | X | X | | | | | | | | | | | |
| W100-561-4s | 13 | 1/5/16 | 1211 | Soil | 4 | | X | X | | | | | | | | | | | |
| W99-553-8s | 14 | 1/5/16 | 1216 | Soil | 4 | | X | X | | | | | | | | | | | |
| W92-539-10B | 15 | 1/5/16 | 1223 | Soil | 4 | | X | X | | | | | | | | | | | |
| W100-527-8s | 16 | 1/5/16 | 1229 | Soil | 4 | | X | X | | | | | | | | | | | |
| W101-526-4s | 17 | 1/5/16 | 1234 | Soil | 4 | | X | X | | | | | | | | | | | |
| W77-532-110 | 18 ^v | 1/5/16 | 1317 | Soil | 4 | | X | X | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|------------------|---------------------------------|--------|------|
| Relinquished by: <u>[Signature]</u> | Charles McFadden | EPI | 1/5/16 | 0750 |
| Received by: <u>[Signature]</u> | Michael Erdahl | FGS Inc | ↓ | ↓ |
| Relinquished by: | | | | |
| Received by: | | Samples received at <u>2</u> °C | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 11, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: Cle Elum Spill MM80, 71201, F&BI 601035

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 6, 2016 from the Cle Elum Spill MM80, 71201, F&BI 601035 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon
EPI0111R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 6, 2015 by Friedman & Bruya, Inc. from the Environmental Partners Cle Elum Spill MM80, 71201, F&BI 601035 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601035 -01 | MW-1 |
| 601035 -02 | MW-3 |
| 601035 -03 | MW-9 |
| 601035 -04 | MW-10 |
| 601035 -05 | MW-11 |
| 601035 -06 | MW-8 |
| 601035 -07 | MW-4 |
| 601035 -08 | MW-6 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/11/16
 Date Received: 01/06/16
 Project: Cle Elum Spill MM80, 71201, F&BI 601035
 Date Extracted: 01/07/16
 Date Analyzed: 01/07/16

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 52-124) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| MW-1 601035-01 | <1 | 1.2 | <1 | <3 | <100 | 91 |
| MW-3 601035-02 | <1 | 1.1 | <1 | <3 | <100 | 92 |
| MW-9 601035-03 | <1 | <1 | <1 | <3 | <100 | 93 |
| MW-10 601035-04 | <1 | <1 | <1 | <3 | <100 | 92 |
| MW-11 601035-05 | <1 | <1 | <1 | <3 | <100 | 92 |
| MW-8 601035-06 | <1 | <1 | <1 | <3 | <100 | 94 |
| MW-4 601035-07 | <1 | <1 | <1 | <3 | <100 | 90 |
| MW-6 601035-08 | <1 | <1 | <1 | <3 | <100 | 89 |
| Method Blank 06-006 MB | <1 | <1 | <1 | <3 | <100 | 91 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/11/16

Date Received: 01/06/16

Project: Cle Elum Spill MM80, 71201, F&BI 601035

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601035-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|--------------------|------------------|---------------------|-------------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | 1.2 | 1.2 | 0 |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|--------------------|----------------|-----------------|------------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | ug/L (ppb) | 50 | 112 | 65-118 |
| Toluene | ug/L (ppb) | 50 | 96 | 72-122 |
| Ethylbenzene | ug/L (ppb) | 50 | 96 | 73-126 |
| Xylenes | ug/L (ppb) | 150 | 95 | 74-118 |
| Gasoline | ug/L (ppb) | 1,000 | 97 | 69-134 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601035

SAMPLE CHAIN OF CUSTODY

V2 MG 1/6/16

Send Report To Josh Benthall
Company EPI
Address 1180 NW Market St. #310
City, State, ZIP Issaquah, WA 98027
Phone # _____ Fax # _____

SAMPLER(S) (Signature)
PROJECT NAME/NO. cle elum spill mms PO# 71201
REMARKS

Page # 1 of 1
TURNAROUND TIME
 Standard (2 Weeks)
 RUSH 2-4 hour
Rush charges authorized by _____
SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | | |
|-----------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|--|---------------------------------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | | |
| MW-1 | 01AC | 1/6/16 | 0930 | water | 3 VOA | X | X | | | | | | | | | | | | |
| MW-3 | 02AC | | 1000 | | | X | X | | | | | | | | | | | | |
| MW-9 | 03AC | | 1110 | | | X | X | | | | | | | | | | | | |
| MW-10 | 04AC | | 1135 | | | X | X | | | | | | | | | | | | |
| MW-11 | 05AC | | 1210 | | | X | X | | | | | | | | | | | | |
| MW-8 | 06AC | | 1040 | | | X | X | | | | | | | | | | | | |
| MW-4 | 07AC | | 1340 | | | X | X | | | | | | | | | | | | |
| MW-6 | 08AC | | 1410 | | | X | X | | | | | | | | | | | | Samples received at <u>4</u> °C |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 825-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|----------------|---------|--------|------|
| Relinquished by: <u>(Signature)</u> | Bryan Miles | EPI | 1/6/16 | 0435 |
| Received by: <u>(Signature)</u> | Michael Erdahl | F&B | ↓ | ↓ |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 11, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 601036

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 6, 2016 from the 71201, F&BI 601036 project. There are 7 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltes, Charles McFadden
EPI0111R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 6, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 601036 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601036 -01 | E0-S60-4s |
| 601036 -02 | W10-S60-4s |
| 601036 -03 | SP6 |
| 601036 -04 | SP7 |
| 601036 -05 | SP8 |
| 601036 -06 | TEE-1 |
| 601036 -07 | TEE-2 |
| 601036 -08 | TEE-3 |
| 601036 -09 | TEE-4 |
| 601036 -10 | TEE-5 |
| 601036 -11 | BF-1 |
| 601036 -12 | BF-2 |
| 601036 -13 | BF-3 |
| 601036 -14 | W111-S22-3s |
| 601036 -15 | W110-S62-4s |
| 601036 -16 | W110-S51-8s |
| 601036 -17 | W110-S28-8s |
| 601036 -18 | W104-S40-10B |
| 601036 -19 | PW-1-8 |
| 601036 -20 | PW-2-7 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/11/16
 Date Received: 01/06/16
 Project: 71201, F&BI 601036
 Date Extracted: 01/07/16
 Date Analyzed: 01/07/16 and 01/08/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| E0-S60-4s 601036-01 1/100 | 2.0 j | 130 | 37 | 200 | 1,900 | 78 |
| W10-S60-4s 601036-02 1/100 | 4.8 | 190 | 53 | 270 | 2,900 | 86 |
| SP6 601036-03 1/100 | 8.1 | 270 | 71 | 350 | 3,600 | 86 |
| SP7 601036-04 1/100 | 7.5 | 240 | 61 | 300 | 3,100 | 85 |
| SP8 601036-05 1/200 | 38 | 490 | 120 | 580 | 6,100 | 85 |
| TEE-1 601036-06 1/10 | 0.25 | 14 | 4.2 | 23 | 280 | 87 |
| TEE-2 601036-07 | 0.11 | 2.8 | 0.87 | 4.4 | 49 | 88 |
| TEE-3 601036-08 | 0.086 | 2.7 | 1.0 | 5.0 | 57 | 88 |
| TEE-4 601036-09 1/5 | 1.5 | 21 | 7.7 | 31 | 390 | 89 |
| TEE-5 601036-10 1/10 | 0.46 | 18 | 5.1 | 26 | 260 | 78 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/11/16
 Date Received: 01/06/16
 Project: 71201, F&BI 601036
 Date Extracted: 01/07/16
 Date Analyzed: 01/07/16 and 01/08/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| BF-1 601036-11 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 86 |
| BF-2 601036-12 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 87 |
| BF-3 601036-13 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 90 |
| W111-S22-3s 601036-14 | <0.02 | 0.57 | 0.31 | 2.3 | 29 | 95 |
| W110-S62-4s 601036-15 1/100 | 1.8 j | 160 | 54 | 290 | 2,600 | 86 |
| W110-S51-8s 601036-16 | <0.02 | 0.093 | 0.032 | 0.18 | 3.1 | 92 |
| W110-S28-8s 601036-17 | <0.02 | 0.15 | 0.045 | 0.27 | 3.1 | 92 |
| W104-S40-10B 601036-18 | <0.02 | 0.071 | <0.02 | 0.075 | <2 | 84 |
| Method Blank 06-005 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 86 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/11/16
Date Received: 01/06/16
Project: 71201, F&BI 601036
Date Extracted: 01/07/16
Date Analyzed: 01/07/16

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 52-124) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| PW-1-8 601036-19 | <1 | <1 | <1 | <3 | <100 | 89 |
| PW-2-7 601036-20 | <1 | <1 | <1 | <3 | <100 | 92 |
| Method Blank 06-006 MB | <1 | <1 | <1 | <3 | <100 | 91 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/11/16

Date Received: 01/06/16

Project: 71201, F&BI 601036

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601036-11 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 76 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 85 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 87 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 85 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 90 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/11/16
 Date Received: 01/06/16
 Project: 71201, F&BI 601036

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
 SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601035-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|-----------------|---------------|------------------|----------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | 1.2 | 1.2 | 0 |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | ug/L (ppb) | 50 | 112 | 65-118 |
| Toluene | ug/L (ppb) | 50 | 96 | 72-122 |
| Ethylbenzene | ug/L (ppb) | 50 | 96 | 73-126 |
| Xylenes | ug/L (ppb) | 150 | 95 | 74-118 |
| Gasoline | ug/L (ppb) | 1,000 | 97 | 69-134 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601136

SAMPLE CHAIN OF CUSTODY

V. J. / V. J. 11/6/10

Send Report To Josh Bernthal
Company EPI
Address 1190 NW Maple St STE 310
City, State, ZIP Issaquah WA 98027
Phone # 425-395-0010 Fax # _____

| | |
|-----------------------------------|-----|
| SAMPLERS (signature) <u>Ch Mc</u> | |
| PROJECT NAME/NO. <u>7129</u> | PO# |
| REMARKS | |

Page # 1 of 2

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | Notes |
|------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|-------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | |
| EO-560-45 | 01A-D | 1/6/15 | 909 | Soil | 4 | X | X | | | | | |
| W10-560-45 | 02A-D | | 95 | | | X | X | | | | | |
| SP6 | 03A-D | | 1012 | | | X | X | | | | | |
| SP7 | 04A-D | | 1018 | | | X | X | | | | | |
| SP8 | 05A-D | | 1022 | | | X | X | | | | | |
| TEE-1 | 06A-D | | 1120 | | | X | X | | | | | |
| TEE-2 | 07A-D | | 1123 | | | X | X | | | | | |
| TEE-3 | 08A-D | | 1127 | | | X | X | | | | | |
| TEE-4 | 09A-D | | 1133 | | | X | X | | | | | |
| TEE-5 | 10A-D | ↓ | 1139 | ↓ | ↓ | X | X | | | | | |

Samples received at 4 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|------------------------------------|------------------|---------|--------|-------|
| Relinquished by: <u>Ch Mc</u> | Charles McPadden | EPI | 1/6/16 | 04:35 |
| Received by: <u>Michael Erdahl</u> | Michael Erdahl | FG&B | ↓ | ↓ |
| Relinquished by: | | | | |
| Received by: | | | | |

601036

SAMPLE CHAIN OF CUSTODY

VS, IV, ME 1/6/16

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple ST STE 310
 City, State, ZIP Issaquah WA 98027
 Phone # 425-395-0010 Fax # _____

SAMPLERS (signature) [Signature]
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

Page # 2 of 2
TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | Notes |
|---------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|---------------------------------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | |
| BF-1 | 11A-D | 1/6/16 | 1233 | Soil | 4 | X | X | | | | | |
| BF-2 | 12A-D | | 1236 | | | X | X | | | | | |
| BF-3 | 13A-D | | 1239 | | | X | X | | | | | |
| W111-522-35 | 14A-D | | 1330 | | | | | | | | | |
| W110-562-46 | 15A-D | | 1335 | | | X | X | | | | | |
| W110-551-85 | 16A-D | | 1341 | | | X | X | | | | | |
| W110-528-85 | 17A-D | | 1345 | | | X | X | | | | | |
| W104-540-1128 | 18A-D | | 1352 | | | X | X | | | | | |
| PW-1-8 | 19A-C | 1/6/16 | 1422 | water | 3 | X | X | | | | | Samples received at <u>4</u> °C |
| PW-2-7 | 20A-C | 1/6/16 | 1427 | water | 3 | X | X | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|------------------|---------|--------|------|
| Relinquished by: <u>[Signature]</u> | Charles McFadden | EPI | 1/6/16 | 0435 |
| Received by: <u>[Signature]</u> | Michael Erdahl | FE Binc | ↓ | ↓ |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 13, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 601057

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 7, 2016 from the 71201, F&BI 601057 project. There are 7 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltres, Charles McFadden
EPI0113R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 7, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 601057 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601057 -01 | W79-S38-12S |
| 601057 -02 | W79-S48-12S |
| 601057 -03 | W81-S32-12S |
| 601057 -04 | W92-S32-12S |
| 601057 -05 | W94-S38-12S |
| 601057 -06 | W94-S46-12S |
| 601057 -07 | W81-S50-12S |
| 601057 -08 | W92-S50-12S |
| 601057 -09 | W81-S42-15B |
| 601057 -10 | W92-S42-15B |
| 601057 -11 | PW-1-9 |
| 601057 -12 | PW-2-8 |
| 601057 -13 | W121-S21-3S |
| 601057 -14 | W120-S29-8S |
| 601057 -15 | W110-S41-10B |
| 601057 -16 | W122-S52-8S |
| 601057 -17 | W120-S61-3S |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/13/16
Date Received: 01/07/16
Project: 71201, F&BI 601057
Date Extracted: 01/08/16
Date Analyzed: 01/08/16

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 52-124) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| PW-1-9 601057-11 | <1 | <1 | <1 | <3 | <100 | 85 |
| PW-2-8 601057-12 | <1 | <1 | <1 | <3 | <100 | 89 |
| Method Blank 06-009 MB | <1 | <1 | <1 | <3 | <100 | 94 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/13/16
 Date Received: 01/07/16
 Project: 71201, F&BI 601057
 Date Extracted: 01/08/16
 Date Analyzed: 01/08/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W79-S38-12S 601057-01 | <0.02 | 0.33 | 0.065 | 0.52 | 3.8 | 93 |
| W79-S48-12S 601057-02 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 86 |
| W81-S32-12S 601057-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 80 |
| W92-S32-12S 601057-04 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 85 |
| W94-S38-12S 601057-05 | 0.024 | 0.98 | 0.34 | 2.1 | 21 | 93 |
| W94-S46-12S 601057-06 | 0.035 | 0.16 | 0.028 | 0.17 | 2.6 | 86 |
| W81-S50-12S 601057-07 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 87 |
| W92-S50-12S 601057-08 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 88 |
| W81-S42-15B 601057-09 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 88 |
| W92-S42-15B 601057-10 | <0.02 | 0.27 | 0.044 | 0.28 | 2.3 | 92 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/13/16
 Date Received: 01/07/16
 Project: 71201, F&BI 601057
 Date Extracted: 01/08/16
 Date Analyzed: 01/08/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W121-S21-3S 601057-13 | <0.02 | 1.6 | 0.92 | 6.2 | 64 | 98 |
| W120-S29-8S 601057-14 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 95 |
| W110-S41-10B 601057-15 | 0.054 | 0.18 | 0.035 | 0.20 | 4.9 | 92 |
| W122-S52-8S 601057-16 | 0.29 | 0.31 | <0.02 | 0.075 | 3.5 | 96 |
| W120-S61-3S 601057-17 1/100 | 7.6 | 94 | 18 | 100 | 1,100 | 92 |
| Method Blank 06-008 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 86 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/13/16

Date Received: 01/07/16

Project: 71201, F&BI 601057

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601057-11 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|--------------------|------------------|---------------------|-------------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | <1 | <1 | nm |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|--------------------|----------------|-----------------|------------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | ug/L (ppb) | 50 | 107 | 65-118 |
| Toluene | ug/L (ppb) | 50 | 91 | 72-122 |
| Ethylbenzene | ug/L (ppb) | 50 | 91 | 73-126 |
| Xylenes | ug/L (ppb) | 150 | 89 | 74-118 |
| Gasoline | ug/L (ppb) | 1,000 | 97 | 69-134 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/13/16
 Date Received: 01/07/16
 Project: 71201, F&BI 601057

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601057-02 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | 0.073 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 75 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 82 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 84 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 82 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 90 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

C-105

SAMPLE CHAIN OF CUSTODY

1002

VS, 1/7/16

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple St STE 310
 City, State, ZIP FIssaquah wa 98027
 Phone # 425-395-0010 Fax # _____

SAMPLERS (signature) [Signature]
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

Page # _____ of _____
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | |
|-------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|---------------------------------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | |
| W79-538-12s | 01A-D | 1/7/16 | 935 | Soil | 4 | | X | X | | | | | | | | | | |
| W79-548-12s | 02A-D | | 938 | | | | X | X | | | | | | | | | | |
| W81-532-12s | 03A-D | | 940 | | | | X | X | | | | | | | | | | |
| W92-532-12s | 04A-D | | 945 | | | | X | X | | | | | | | | | | |
| W48-518-12s | 05A-D | | 948 | | | | X | X | | | | | | | | | | |
| W44-546-12s | 06A-D | | 951 | | | | X | X | | | | | | | | | | |
| W81-550-12s | 07A-D | | 953 | | | | X | X | | | | | | | | | | |
| W92-550-12s | 08A-D | | 956 | | | | X | X | | | | | | | | | | |
| W81-542-15B | 09A-D | | 1001 | | | | X | X | | | | | | | | | | Samples received at <u>3</u> °C |
| W92-542-15B | 10A-D | | 1004 | | | | X | X | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|------------------|---------|--------|------|
| Relinquished by: <u>[Signature]</u> | Charles McFadden | EPI | 1/7/16 | 1453 |
| Received by: <u>[Signature]</u> | VINH | FBI | 1/7/16 | 1453 |
| Relinquished by: | | | | |
| Received by: | | | | |

601057

SAMPLE CHAIN OF CUSTODY

ME VS, IV, 1/7/16

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple St STE
 City, State, ZIP Issaquah Wa 98027
 Phone # 425-395-0010 Fax # _____

| | |
|-----------------------------------|-----|
| SAMPLERS (signature) <u>Ch Mc</u> | |
| PROJECT NAME/NO. <u>71201</u> | PO# |
| REMARKS | |

Page # 2 of 2

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | |
|--------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | |
| PW-1-9 | 11A-C | 1/7/16 | 1121 | Water | 3 | | X | X | | | | | | | | | | |
| PW-2-8 | 12A-C | 1/7/16 | 1126 | Water | 3 | | X | X | | | | | | | | | | |
| W121-521-3s | 13A-D | 1/7/16 | 1211 | Soil | 4 | | X | X | | | | | | | | | | |
| W120-529-8s | 14A-D | | 1216 | | | | X | X | | | | | | | | | | |
| W110-541-10B | 15A-D | | 1220 | | | | X | X | | | | | | | | | | |
| W122-552-8s | 16A-D | | 1225 | | | | X | X | | | | | | | | | | |
| W120-561-3s | 17A-D | | 1233 | | | | X | X | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---------------------------------|-------------------------|------------|---------------|-------------|
| Relinquished by: <u>Ch Mc</u> | <u>Charles McFadden</u> | <u>EPI</u> | <u>1/7/16</u> | <u>1453</u> |
| Received by: <u>[Signature]</u> | <u>VINH</u> | <u>EPI</u> | <u>1/7/16</u> | <u>1453</u> |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 13, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 601079

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 8, 2016 from the 71201, F&BI 601079 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltes, Charles McFadden
EPI0113R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 8, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 601079 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601079 -01 | BSP-6 |
| 601079 -02 | SP-1 |
| 601079 -03 | SP-2 |
| 601079 -04 | SP-3 |
| 601079 -05 | SP-4 |
| 601079 -06 | SP-5 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/13/16
 Date Received: 01/08/16
 Project: 71201, F&BI 601079
 Date Extracted: 01/11/16
 Date Analyzed: 01/11/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| BSP-6 601079-01 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 88 |
| SP-1 601079-02 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 88 |
| SP-2 601079-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 88 |
| SP-3 601079-04 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 86 |
| SP-4 601079-05 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 87 |
| SP-5 601079-06 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 86 |
| Method Blank 06-010 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 87 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/13/16
 Date Received: 01/08/16
 Project: 71201, F&BI 601079

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601078-01 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | mg/kg (ppm) | 0.5 | 84 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 89 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 93 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 90 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 80 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601079

SAMPLE CHAIN OF CUSTODY

ME VS, 11/8/16

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple St STE 310
 City, State, ZIP Issaquah WA 98027
 Phone # 425-395-0010 Fax # _____

| | |
|----------------------------------|-----|
| SAMPLERS (signature) <u>CSM</u> | |
| PROJECT NAME/NO. <u>71201</u> | PO# |
| REMARKS | |

Page # 1 of 1

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | | |
|-----------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|-------|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | |
| BSP-6 | 01A-D | 11/8/16 | 1300 | Soil | 4 | | X | X | | | | | | | |
| SP-1 | 02A-D | | 1308 | | ↓ | | X | X | | | | | | | |
| SP-2 | 03A-D | | 1316 | | ↓ | | X | X | | | | | | | |
| SP-3 | 04A-D | | 1321 | | ↓ | | X | X | | | | | | | |
| SP-4 | 05A-D | | 1329 | | ↓ | | X | X | | | | | | | |
| SP-5 | 06A-D | | 1335 | | ↓ | | X | X | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

Samples received at 3 °C

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 83-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|-----------------------|---------------|----------------|-------------|
| Relinquished by: <u>[Signature]</u> | <u>Josh Bernthal</u> | <u>EPI</u> | <u>11/8/16</u> | <u>1600</u> |
| Received by: <u>[Signature]</u> | <u>Michael Erdahl</u> | <u>Fibery</u> | <u>↓</u> | <u>↓</u> |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 13, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 601080

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 8, 2016 from the 71201, F&BI 601080 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltres, Charles McFadden, Bryan Miles
EPI0113R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 8, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 601080 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601080 -01 | W131-S24-3S |
| 601080 -02 | W131-S31-8S |
| 601080 -03 | W119-S40-10B |
| 601080 -04 | W130-S49-8S |
| 601080 -05 | W132-S61-3S |
| 601080 -06 | W121-S19-3S |
| 601080 -07 | W110-S42-12B |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/13/16
 Date Received: 01/08/16
 Project: 71201, F&BI 601080
 Date Extracted: 01/11/16
 Date Analyzed: 01/11/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-132) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| W131-S24-3S 601080-01 | <0.02 | <0.02 | <0.02 | 0.081 | 2.7 | 96 |
| W131-S31-8S 601080-02 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 95 |
| W119-S40-10B 601080-03 | <0.02 | 0.29 | 0.088 | 0.68 | 14 | 97 |
| W130-S49-8S 601080-04 | 0.057 | 0.90 | 0.13 | 0.79 | 7.5 | 91 |
| W132-S61-3S 601080-05 1/5 | 0.091 j | 2.5 | 1.9 | 13 | 170 | 97 |
| W121-S19-3S 601080-06 | <0.02 | 0.38 | 0.36 | 2.8 | 45 | 104 |
| W110-S42-12B 601080-07 | <0.02 | 0.32 | 0.18 | 1.1 | 13 | 94 |
| Method Blank 06-010 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 87 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/13/16

Date Received: 01/08/16

Project: 71201, F&BI 601080

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601078-01 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 84 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 89 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 93 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 90 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 80 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601080

SAMPLE CHAIN OF CUSTODY

ME 1/8/16 US,

Send Report To Josh Bernthal
Company EPI
Address 1180 NW Maple St STE 310
City, State, ZIP Issaquah, Wa, 98027
Phone # 425-395-0010 Fax # _____

| | |
|-----------------------------------|-----|
| SAMPLERS (signature) <u>Or Mc</u> | |
| PROJECT NAME/NO. <u>71251</u> | PO# |
| REMARKS | |

Page # _____ of _____

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | | |
|--------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | | |
| W131-524-35 | 01A-D | 1/8/16 | 947 | Soil | 4 | | X | X | | | | | | | | | | | |
| W131-531-85 | 02A-D | 1/8/16 | 951 | Soil | 4 | | X | X | | | | | | | | | | | |
| W119-540-10B | 03A-D | 1/8/16 | 956 | Soil | 4 | | X | X | | | | | | | | | | | |
| W130-549-85 | 04A-D | 1/8/16 | 1000 | Soil | 4 | | X | X | | | | | | | | | | | |
| W132-561-35 | 05A-D | 1/8/16 | 1007 | Soil | 4 | | X | X | | | | | | | | | | | |
| W121-519-35 | 06A-D | 1/8/16 | 1350 | Soil | 4 | | X | X | | | | | | | | | | | |
| W110-542-12B | 07A-D | 1/8/16 | 1410 | Soil | 4 | | X | X | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

Samples received at 3 C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 83-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|----------------|---------|--------|------|
| Relinquished by: <u>[Signature]</u> | Josh Bernthal | EPI | 1/8/16 | 1600 |
| Received by: <u>[Signature]</u> | Michael Erdahl | F&B | ↓ | ↓ |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 15, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 601090

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 11, 2016 from the 71201, F&BI 601090 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon, Eric Koltes, Charles McFadden
EPI0115R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 11, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 601090 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601090 -01 | W142-S22-3S |
| 601090 -02 | W141-S28-8S |
| 601090 -03 | W142-S51-8S |
| 601090 -04 | W143-S61-3S |
| 601090 -05 | W127-S41-11B |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/15/16
 Date Received: 01/11/16
 Project: 71201, F&BI 601090
 Date Extracted: 01/11/16
 Date Analyzed: 01/11/16 and 01/12/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| W142-S22-3S 601090-01 | <0.02 | 0.12 | 0.064 | 0.62 | 9.1 | 79 |
| W141-S28-8S 601090-02 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 85 |
| W142-S51-8S 601090-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 79 |
| W143-S61-3S 601090-04 1/5 | <0.02 j | 34 | 8.4 | 49 | 400 | 90 |
| W127-S41-11B 601090-05 | <0.02 | 0.028 | <0.02 | <0.06 | <2 | 86 |
| Method Blank 06-010 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 87 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/15/16
 Date Received: 01/11/16
 Project: 71201, F&BI 601090

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601078-01 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 84 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 89 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 93 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 90 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 80 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601090

SAMPLE CHAIN OF CUSTODY

ME-11-16

#1 VSI

Page # 1 of 1

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple ST STE 310
 City, State, ZIP Issaquah WA 98027
 Phone # 425-395-0210 Fax #

SAMPLERS (signature) Ch Mc
 PROJECT NAME/NO. 71201 PO#
 REMARKS

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | |
|---------------------------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | |
| W142-522-35 | 01A | 1/9/16 | 1209 | Soil | 4 | X | X | | | | | | | |
| W141-528-85 | 02 | | 1214 | | | X | X | | | | | | | |
| W142-551-85 | 03 | | 1220 | | | X | X | | | | | | | |
| W143-561-35 | 04 | | 1230 | | | X | X | | | | | | | |
| W127-541-11B | 05 | | 1237 | | | X | X | | | | | | | |
| Samples received at <u>0</u> °C | | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044
 FORMSVC OC.DOC

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|------------------------|------------------|----------|---------|------|
| <u>Ch Mc</u> | Charles McFoster | EPI | 1/9/16 | 1700 |
| <u>Josh Bernthal</u> | Josh Bernthal | EPI | 1/11/16 | 0830 |
| <u>Josh Bernthal</u> | Josh Bernthal | EPI | 1/11/16 | 0845 |
| <u>James Patterson</u> | James Patterson | FedEx SD | 1/11/16 | 8:56 |
| <u>Eli North</u> | Eli North | EPI | 1/11/16 | 8:37 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 15, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 601108

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 12, 2016 from the 71201, F&BI 601108 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon
EPI0115R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 12, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 601108 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601108-01 | W153-S22-3s |
| 601108-02 | W153-S28-8s |
| 601108-03 | W155-S50-8s |
| 601108-04 | W138-S42-11B |
| 601108-05 | W155-S60-3s |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/15/16
 Date Received: 01/12/16
 Project: 71201, F&BI 601108
 Date Extracted: 01/12/16
 Date Analyzed: 01/12/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W153-S22-3s 601108-01 | <0.02 | 1.2 | 0.86 | 5.4 | 67 | 88 |
| W153-S28-8s 601108-02 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 84 |
| W155-S50-8s 601108-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 87 |
| W138-S42-11B 601108-04 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 82 |
| W155-S60-3s 601108-05 | <0.02 | 0.066 | <0.02 | 2.1 | 48 | 89 |
| Method Blank 06-013 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 85 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/15/16

Date Received: 01/12/16

Project: 71201, F&BI 601108

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601108-02 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|--------------------|------------------------------|---------------------------------|-------------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|--------------------|----------------|----------------------------|------------------------|
| Benzene | mg/kg (ppm) | 0.5 | 83 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 90 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 94 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 93 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 85 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601108

SAMPLE CHAIN OF CUSTODY

ME 1/12/16

VS1

Send Report To Josh Bernthal
 Company ELL
 Address 1180 NW Mayle St STE 210
 City, State, ZIP Issaquah WA 98027
 Phone # 425-395-0000 Fax # _____

SAMPLERS (signature) Ch Mc
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

Page # _____ of _____
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | | |
|--------------|-----------------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|---------------------|------|-------|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | |
| W153-522-3s | 01 ^A | 1/11/16 | 1305 | Soil | 4 | | X | X | | | | | | | |
| W153-528-8s | 02 | 1/11/16 | 1312 | Soil | 4 | | X | X | | | | | | | |
| W155-550-8s | 03 | ↓ | 1318 | ↓ | ↓ | | X | X | | | | | | | |
| W138-542-11B | 04 | ↓ | 1323 | ↓ | ↓ | | X | X | | | | | | | |
| W155-560-3s | 05 | ↓ | 1330 | ↓ | ↓ | | X | X | | | | | | | |
| | | | | | | | | | | | Samples received at | 4 °C | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 83-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|--------------------------------------|------------------------|-------------------|----------------|-------------|
| Relinquished by: _____ | | | | |
| Received by: <u>Cammie Patterson</u> | <u>James Patterson</u> | <u>Feeder SDC</u> | <u>1/12/16</u> | <u>8:30</u> |
| Relinquished by: _____ | | | | |
| Received by: <u>John Pl...</u> | <u>John Pl...</u> | <u>FEB T</u> | <u>1/12/16</u> | <u>1705</u> |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 15, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: Cle Elum MM 80, 71201, F&BI 601109

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 12, 2016 from the Cle Elum MM 80, 71201, F&BI 601109 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon
EPI0115R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 12, 2016 by Friedman & Bruya, Inc. from the Environmental Partners Cle Elum MM 80, 71201, F&BI 601109 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601109-01 | MW-7 |
| 601109-02 | MW-2 |
| 601109-03 | MW-1 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/15/16
Date Received: 01/12/16
Project: Cle Elum MM 80, 71201, F&BI 601109
Date Extracted: 01/12/16
Date Analyzed: 01/12/16

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 52-124) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| MW-7 601109-01 | <1 | <1 | <1 | <3 | <100 | 89 |
| MW-2 601109-02 | <1 | 3.1 | <1 | <3 | <100 | 92 |
| MW-1 601109-03 | <1 | <1 | <1 | <3 | <100 | 86 |
| Method Blank 06-014 MB | <1 | <1 | <1 | <3 | <100 | 90 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/15/16

Date Received: 01/12/16

Project: Cle Elum MM 80, 71201, F&BI 601109

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601109-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|-----------------|---------------|------------------|----------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | <1 | <1 | nm |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | ug/L (ppb) | 50 | 105 | 65-118 |
| Toluene | ug/L (ppb) | 50 | 88 | 72-122 |
| Ethylbenzene | ug/L (ppb) | 50 | 88 | 73-126 |
| Xylenes | ug/L (ppb) | 150 | 87 | 74-118 |
| Gasoline | ug/L (ppb) | 1,000 | 95 | 69-134 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601109

SAMPLE CHAIN OF CUSTODY ME01-12-16

Page # 1 of 1

Send Report To Josh Zanther
 Company EPI
 Address 180 NW Maple St Ste 30
 City, State, ZIP Issaquah, WA 98027
 Phone # _____ Fax # _____

| | |
|--|---------------------|
| SAMPLERS (signature) | |
| PROJECT NAME/NO. <u>cle Elm mn 80</u> | PO# <u>71201</u> |
| REMARKS | |

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH 24-hour
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | Notes | |
|---------------------------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | |
| MW-7 | 01A-C | 1/4/16 | 1300 | Water | 3 | X | X | | | | | | | | |
| MW-2 | 02 | ↓ | 1325 | ↓ | ↓ | | X | X | | | | | | | |
| MW-1 | 03 | ↓ | 140 | ↓ | ↓ | | X | X | | | | | | | |
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| | | | | | | | | | | | | | | | |
| Samples received at <u>4</u> °C | | | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|-------------------------|------------------|----------------|--------------|
| Relinquished by: | | | | |
| Received by: <u>[Signature]</u> | <u>Ryan Miles</u> | <u>EPI</u> | <u>1/12/16</u> | <u> </u> |
| Relinquished by: <u>[Signature]</u> | <u>Carrie Patterson</u> | <u>Fedex 8DC</u> | <u>1/12/16</u> | <u>8:36</u> |
| Received by: <u>[Signature]</u> | <u>Chan Phan</u> | <u>FeBT</u> | <u>1/12/16</u> | <u>1005</u> |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 19, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201.0, F&BI 601137

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 13, 2016 from the 71201.0, F&BI 601137 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon
EPI0119R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 13, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201.0, F&BI 601137 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601137 -01 | W18-S62-5.5B |
| 601137 -02 | W18-S66-4S |
| 601137 -03 | W40-S66-3S |
| 601137 -04 | W40-S66-6.5S |
| 601137 -05 | W40-S60-8B |
| 601137 -06 | W53-S66-4S |
| 601137 -07 | W53-S66-10S |
| 601137 -08 | W53-S61-11B |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/19/16
 Date Received: 01/13/16
 Project: 71201.0, F&BI 601137
 Date Extracted: 01/14/16
 Date Analyzed: 01/14/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-132) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W18-S62-5.5B 601137-01 | <0.02 | 0.041 | 0.022 | 0.15 | <2 | 79 |
| W18-S66-4S 601137-02 1/10 | 0.56 | 17 | 7.1 | 40 | 330 | 84 |
| W40-S66-3S 601137-03 1/10 | 0.52 | 46 | 24 | 160 | 1,100 | 90 |
| W40-S66-6.5S 601137-04 | <0.02 | 0.30 | 0.044 | 0.25 | <2 | 83 |
| W40-S60-8B 601137-05 | <0.02 | <0.02 | <0.02 | 0.10 | 2.3 | 82 |
| W53-S66-4S 601137-06 | 0.44 | 3.1 | 0.35 | 2.0 | 19 | 83 |
| W53-S66-10S 601137-07 | 0.19 | 2.9 | 0.88 | 4.2 | 39 | 80 |
| W53-S61-11B 601137-08 | 0.038 | 1.1 | 0.26 | 1.5 | 14 | 79 |
| Method Blank 06-080 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 82 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/19/16

Date Received: 01/13/16

Project: 71201.0, F&BI 601137

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601117-01 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | mg/kg (ppm) | 0.5 | 93 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 94 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 100 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 97 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 85 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
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- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
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- hs - Headspace was present in the container used for analysis.
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- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
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- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601137

SAMPLE CHAIN OF CUSTODY

VS, MG 1/13/16

Send Report To Josh Bernthal
 Company EPI
 Address 1180 New Maple St Ste 316
 City, State, ZIP ISSAQUAH, WA 98027
 Phone # 425-241-5910 Fax # 425-345-0011

| | |
|-----------------------------------|-----|
| SAMPLERS (signature) | |
| PROJECT NAME/NO. <u>712010</u> | PO# |
| REMARKS | |

Page # 1 of

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH LAHDS
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | |
|---------------------------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | |
| W18-562-5.5B | 01A-D | 1/13/16 | 1030 | SOIL | 4 | | X | X | | | | | | | | | | |
| W18-566-4S | 02A-D | 1/13/16 | 1020 | SOIL | 4 | | X | X | | | | | | | | | | |
| W40-566-3S | 03A-D | 1/13/16 | 1100 | SOIL | 4 | | X | X | | | | | | | | | | |
| W40-566-6.5S | 04A-D | 1/13/16 | 1110 | SOIL | 4 | | X | X | | | | | | | | | | |
| N40-560-8B | 05A-D | 1/12/16 | 1120 | SOIL | 4 | | X | X | | | | | | | | | | |
| WS3-566-4S | 06A-D | 1/13/16 | 1200 | SOIL | 4 | | X | X | | | | | | | | | | |
| WS3-566-10S | 07A-D | 1/13/16 | 1210 | SOIL | 4 | | X | X | | | | | | | | | | |
| WS3-561-11B | 08A-D | 1/13/16 | 1220 | SOIL | 4 | | X | X | | | | | | | | | | |
| Samples received at <u>2</u> °C | | | | | | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 33-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|-----------------------|----------------|----------------|-------------|
| Relinquished by: <u>[Signature]</u> | <u>Josh Bernthal</u> | <u>EPI</u> | <u>1/13/16</u> | <u>1515</u> |
| Received by: <u>[Signature]</u> | <u>Michael Erdahl</u> | <u>FR Binc</u> | <u>1/13/16</u> | <u>↓</u> |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 19, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: Cle Elum MM 80, 71201, F&BI 601149

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 14, 2016 from the Cle Elum MM 80, 71201, F&BI 601149 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltes, Charles McFadden, Bryan Miles
EPI0119R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 14, 2016 by Friedman & Bruya, Inc. from the Environmental Partners Cle Elum MM 80, 71201, F&BI 601149 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601149 -01 | MW-8 |
| 601149 -02 | MW-9 |
| 601149 -03 | MW-10 |
| 601149 -04 | MW-11 |
| 601149 -05 | MW-3 |
| 601149 -06 | MW-4 |
| 601149 -07 | MW-6 |
| 601149 -08 | MW-5 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/19/16
 Date Received: 01/14/16
 Project: Cle Elum MM 80, 71201, F&BI 601149
 Date Extracted: 01/14/16
 Date Analyzed: 01/14/16

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| MW-8 601149-01 | <1 | <1 | <1 | <3 | <100 | 81 |
| MW-9 601149-02 | <1 | <1 | <1 | <3 | <100 | 75 |
| MW-10 601149-03 | <1 | <1 | <1 | <3 | <100 | 83 |
| MW-11 601149-04 | <1 | <1 | <1 | <3 | <100 | 82 |
| MW-3 601149-05 | <1 | <1 | <1 | <3 | <100 | 83 |
| MW-4 601149-06 | <1 | <1 | <1 | <3 | <100 | 84 |
| MW-6 601149-07 | <1 | <1 | <1 | <3 | <100 | 79 |
| MW-5 601149-08 | <1 | 1.2 | <1 | 39 | 280 | 82 |
| Method Blank 06-079 MB2 | <1 | <1 | <1 | <3 | <100 | 83 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/19/16

Date Received: 01/14/16

Project: Cle Elum MM 80, 71201, F&BI 601149

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601149-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|--------------------|------------------|---------------------|-------------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | <1 | <1 | nm |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|--------------------|----------------|-----------------|------------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | ug/L (ppb) | 50 | 103 | 72-119 |
| Toluene | ug/L (ppb) | 50 | 99 | 71-113 |
| Ethylbenzene | ug/L (ppb) | 50 | 103 | 72-114 |
| Xylenes | ug/L (ppb) | 150 | 89 | 72-113 |
| Gasoline | ug/L (ppb) | 1,000 | 97 | 70-119 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601149

SAMPLE CHAIN OF CUSTODY

ME 1/14/16 VZ

Send Report To Josh Barthel
 Company EPI
 Address 118 NW Maple St. Ste. 310
 City, State, ZIP Issaquah WA 98027
 Phone # _____ Fax # _____

SAMPLERS (signature) _____
 PROJECT NAME/NO. clean up m m 80 PO# 71201
 REMARKS _____

Page # 1 of 1
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH 24 hr
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | |
|-----------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|---|---|---|---|-------|---|---------------------------------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | |
| MW-8 | 01A | | 1000 | | | | X | X | | | | | | | | | | |
| MW-9 | 02 | | 1020 | | | | X | X | | | | | | | | | | |
| MW-10 | 03 | | 1045 | | | | X | X | | | | | | | | | | |
| MW-11 | 04 | | 1110 | | | | X | X | | | | | | | | | | |
| MW-3 | 05 | | 1245 | | | | X | X | | | | | | | | | | |
| MW-4 | 06 | | 1325 | | | | X | X | | | | | | | | | | |
| MW-6 | 07 | | 1400 | | | | X | X | | | | | | | | | | |
| MW-5 | 08 | | 1425 | | | | X | X | | | | | | | | | | Samples received at <u>4</u> °C |
| / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 83-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---------------------------------|-------------|---------|---------|-------|
| Relinquished by: _____ | Bryan Mites | EPI | 1/14/16 | 10:25 |
| Received by: <u>[Signature]</u> | VINH | FBI | 1/14/16 | 10:25 |
| Relinquished by: _____ | | | | |
| Received by: _____ | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 21, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 601155

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 14, 2016 from the 71201, F&BI 601155 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon, Charles McFadden, Eric Koltes
EPI0121R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 14, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 601155 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601155-01 | W80-S66-3S |
| 601155-02 | W80-S63-8B |
| 601155-03 | W99-S66-3S |
| 601155-04 | W99-S66-8S |
| 601155-05 | W99-S62-10B |
| 601155-06 | W30-S66-3S |
| 601155-07 | W30-S66-6S |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/21/16
 Date Received: 01/14/16
 Project: 71201, F&BI 601155
 Date Extracted: 01/14/16
 Date Analyzed: 01/14/16, 01/18/16 and 01/19/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| W80-S66-3S 601155-01 1/10 | 17 | 450 | 100 | 550 | 4,600 | 92 |
| W80-S63-8B 601155-02 | <0.02 | 0.035 | <0.02 | <0.06 | <2 | 83 |
| W99-S66-3S 601155-03 | 0.081 | 1.1 | 0.21 | 1.3 | 20 | 83 |
| W99-S66-8S 601155-04 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 83 |
| W99-S62-10B 601155-05 | <0.02 | 0.12 | <0.02 | <0.06 | <2 | 75 |
| W30-S66-3S 601155-06 1/10 | 17 | 290 | 74 | 340 | 3,700 | 89 |
| W30-S66-6S 601155-07 | <0.02 | 0.16 | 0.053 | 0.33 | 4.2 | 84 |
| Method Blank 06-082 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 80 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/21/16
 Date Received: 01/14/16
 Project: 71201, F&BI 601155

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601155-05 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|--------------------|------------------------------|---------------------------------|-------------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | 0.09 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|--------------------|----------------|-----------------|------------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | mg/kg (ppm) | 0.5 | 82 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 89 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 93 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 91 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 85 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601155

SAMPLE CHAIN OF CUSTODY

ME 1/14/16 VSZ

Send Report To Josh Bernthal
Company EPI
Address 1180 NW Maple St STE 310
City, State, ZIP Issaquah Wa 98027
Phone # 425-395-0010 Fax # _____

SAMPLERS (signature) Ch M

PROJECT NAME/NO. 71201 PO# _____

REMARKS _____

Page # _____ of 1

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | |
|-------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|---------------------------------|--|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | |
| W80-566-3s | 01A | 1/14/16 | 917 | Soil | 4 | X | X | | | | | | | |
| W80-563-8B | 02 | | 921 | | | X | X | | | | | | | |
| W99-506-3s | 03 | | 1117 | | | X | X | | | | | | | |
| W99-566-8S | 04 | | 1131 | | | X | X | | | | | | | |
| W99-562-10B | 05 | | 1143 | | | X | X | | | | | | | |
| W30-566-3s | 06 | | 1416 | | | X | X | | | | | | | |
| W30-566-6s | 07 | | 1428 | | | X | X | | | | | | | |
| | | | | | | | | | | | Samples received at <u>7</u> °C | | | |

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 83-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|------------------------------|------------------|---------|---------|------|
| Relinquished by: <u>Ch M</u> | Charles McFadden | EPI | 1/14/16 | 1443 |
| Received by: <u>VINH</u> | VINH | FBI | 1/14/16 | 1443 |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 20, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 601174

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 15, 2016 from the 71201, F&BI 601174 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Charles McFadden, Eric Koltas
EPI0120R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 15, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 601174 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601174 -01 | W65-S66-4S |
| 601174 -02 | W65-S66-8S |
| 601174 -03 | W73-S66-3S |
| 601174 -04 | W73-S66-8S |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/20/16
 Date Received: 01/15/16
 Project: 71201, F&BI 601174
 Date Extracted: 01/18/16
 Date Analyzed: 01/18/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| W65-S66-4S 601174-01 1/5 | 6.4 | 210 | 57 | 320 | 3,200 | 139 |
| W65-S66-8S 601174-02 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 82 |
| W73-S66-3S 601174-03 1/5 | 0.70 | 71 | 22 | 130 | 1,100 | 107 |
| W73-S66-8S 601174-04 | 0.036 | 0.24 | 0.026 | 0.14 | <2 | 89 |
| Method Blank 06-085 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 83 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/20/16

Date Received: 01/15/16

Project: 71201, F&BI 601174

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601174-02 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 73 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 78 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 80 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 78 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 90 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601174

SAMPLE CHAIN OF CUSTODY

VS 1/15/16 MS

Send Report To Josh Bernthal
Company EPI
Address 1180 NW Maple St STE 310
City, State, ZIP Issaquah WA 98027
Phone # 425-395-0010 Fax # _____

| | |
|----------------------------------|-----|
| SAMPLERS (signature) <u>Ch M</u> | |
| PROJECT NAME/NO. <u>71201</u> | PO# |
| REMARKS | |

| |
|---|
| Page # _____ of _____ |
| TURNAROUND TIME <input type="checkbox"/> Standard (2 Weeks) <input checked="" type="checkbox"/> RUSH Rush charges authorized by _____ |
| SAMPLE DISPOSAL <input type="checkbox"/> Dispose after 30 days <input type="checkbox"/> Return samples <input type="checkbox"/> Will call with instructions |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | | |
|---------------------------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | | |
| W65-566-4s | 01AD | 1/15/16 | 834 | Soil | 4 | | X | X | | | | | | | | | | | |
| W65-566-8s | 02 | ↓ | 847 | ↓ | ↓ | | X | X | | | | | | | | | | | |
| W73-566-3s | 03 | ↓ | 1141 | ↓ | ↓ | | X | X | | | | | | | | | | | |
| W73-566-8s | 04 | ↓ | 1147 | ↓ | ↓ | | X | X | | | | | | | | | | | |
| Samples received at <u>4</u> °C | | | | | | | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 83-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|-------------------------|------------|----------------|--------------|
| Relinquished by: <u>Ch M</u> | <u>Charles McFadden</u> | <u>EPI</u> | <u>1/15/16</u> | <u>1400</u> |
| Received by: <u>[Signature]</u> | <u>Josh Bernthal</u> | <u>EPI</u> | <u>1/15/16</u> | <u>1900</u> |
| Relinquished by: <u>[Signature]</u> | <u>Josh Bernthal</u> | <u>EPI</u> | <u>1/15/16</u> | <u>1510</u> |
| Received by: <u>[Signature]</u> | <u>MA</u> | <u>FAI</u> | <u>1/15/16</u> | <u>15:10</u> |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 21, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: Cle Elum MM 80, 71201, F&BI 601212

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 19, 2016 from the Cle Elum MM 80, 71201, F&BI 601212 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Charles McFadden, Eric Koltres
EPI0121R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 19, 2016 by Friedman & Bruya, Inc. from the Environmental Partners Cle Elum MM 80, 71201, F&BI 601212 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID

601212 -01

Environmental Partners

MW-12:6

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/21/16
Date Received: 01/19/16
Project: Cle Elum MM 80, 71201, F&BI 601212
Date Extracted: 01/20/16
Date Analyzed: 01/20/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| MW-12:6 601212-01 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 80 |
| Method Blank 06-102 MB2 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 75 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/21/16

Date Received: 01/19/16

Project: Cle Elum MM 80, 71201, F&BI 601212

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Percent Recovery LCSD | Acceptance Criteria | RPD (Limit 20) |
|--------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Benzene | mg/kg (ppm) | 0.5 | 89 | 88 | 66-121 | 1 |
| Toluene | mg/kg (ppm) | 0.5 | 103 | 102 | 72-128 | 1 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 105 | 105 | 69-132 | 0 |
| Xylenes | mg/kg (ppm) | 1.5 | 104 | 103 | 69-131 | 1 |
| Gasoline | mg/kg (ppm) | 20 | 95 | 95 | 61-153 | 0 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601212

SAMPLE CHAIN OF CUSTODY

ME 01-19-16

US1

Send Report To Josh Benthley
 Company EPI
 Address 1120 NW Maple St. Sec. 310
 City, State, ZIP Issaquah, WA 98027
 Phone # _____ Fax # _____

SAMPLERS (signature)
 PROJECT NAME/NO. <le Elm mm 80 PO# 71201
 REMARKS

Page # 1 of 1
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH 24-hour
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | |
|------------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | |
| MW-12: 6 | 01AD | 1/19/16 | 0923 | Soil | 4 vials | | X | X | | | | | | |
| _____ | | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 83-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|----------------|----------|---------|-------|
| Relinquished by: <u>(signature)</u> | Bryan Miles | EPI | 1/19/16 | 04:17 |
| Received by: <u>(signature)</u> | Michael Erdahl | Ph. Inc. | ↓ | ↓ |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 26, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201.0, F&BI 601278

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 22, 2016 from the 71201.0, F&BI 601278 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltres, Charles McFadden
EPI0126R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 22, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201.0, F&BI 601278 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601278 -01 | W90-S66-8S |
| 601278 -02 | W90-S66-3S |
| 601278 -03 | W10-S66-3S |
| 601278 -04 | W10-S62-8B |
| 601278 -05 | O-S66-4S |
| 601278 -06 | O-S60-7.5B |
| 601278 -07 | E10-S60-8.5B |
| 601278 -08 | E10-S66-7S |
| 601278 -09 | E20-S66-7S |
| 601278 -10 | E13-S66-4S |
| 601278 -11 | E20-S60-8B |
| 601278 -12 | E23-S66-3S |
| 601278 -13 | E26-S62-3S |
| 601278 -14 | E26-S62-6.5S |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/26/16

Date Received: 01/22/16

Project: 71201.0, F&BI 601278

Date Extracted: 01/22/16

Date Analyzed: 01/22/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W90-S66-8S 601278-01 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 82 |
| W90-S66-3S 601278-02 1/20 | 1.6 | 250 | 78 | 450 | 3,600 | 109 |
| W10-S66-3S 601278-03 1/10 | 2.6 | 40 | 7.1 | 39 | 360 | 99 |
| W10-S62-8B 601278-04 | <0.02 | 0.026 | <0.02 | <0.06 | <2 | 93 |
| O-S66-4S 601278-05 1/5 | 1.0 | 46 | 14 | 81 | 770 | 107 |
| O-S60-7.5B 601278-06 | <0.02 | 0.056 | <0.02 | <0.06 | <2 | 96 |
| E10-S60-8.5B 601278-07 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 94 |
| E10-S66-7S 601278-08 | 0.026 | 0.10 | <0.02 | <0.06 | <2 | 97 |
| E20-S66-7S 601278-09 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 84 |
| E13-S66-4S 601278-10 | <0.02 | 0.055 | <0.02 | <0.06 | <2 | 84 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/26/16
Date Received: 01/22/16
Project: 71201.0, F&BI 601278
Date Extracted: 01/22/16
Date Analyzed: 01/22/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| E20-S60-8B 601278-11 | <0.02 | 0.027 | <0.02 | <0.06 | <2 | 85 |
| E23-S66-3S 601278-12 | <0.02 | 0.023 | <0.02 | <0.06 | <2 | 83 |
| E26-S62-3S 601278-13 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 83 |
| E26-S62-6.5S 601278-14 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 85 |
| Method Blank 06-109 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 82 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/26/16

Date Received: 01/22/16

Project: 71201.0, F&BI 601278

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601278-01 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 103 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 101 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 104 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 102 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 100 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601278

SAMPLE CHAIN OF CUSTODY

VS, M 1/22/16

Send Report To Josh Beathel
 Company EPT
 Address 1180 NW Maple St #306
 City, State, ZIP ISSAQUAH, WA 98027
 Phone # 425-395-0000 Fax # _____

| | |
|---------------------------------|-----|
| SAMPLERS (signature) <u>JB</u> | |
| PROJECT NAME/NO. <u>71201.0</u> | PO# |
| REMARKS | |

Page # 1 of 2

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | Notes | |
|--------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | |
| W90-S66-85 | 01A-D | 1/20/16 | 903 | Soil | 4 | | X | X | | | | | |
| W90-S66-35 | 02A-D | 1/20/16 | 908 | Soil | 4 | | X | X | | | | | |
| W10-S66-35 | 03A-D | 1/20/16 | 1257 | Soil | 4 | | X | X | | | | | |
| W10-S62-6B | 04A-D | 1/20/16 | 1300 | Soil | 4 | | X | X | | | | | |
| O-S66-45 | 05A-D | 1/20/16 | 1313 | Soil | 4 | | X | X | | | | | |
| O-S66-7.5B | 06A-D | 1/20/16 | 1600 | Soil | 4 | | X | X | | | | | |
| E10-S60-8.5B | 07A-D | 1/21/16 | 1300 | Soil | 4 | | X | X | | | | | |
| E10-S66-75 | 08A-D | 1/21/16 | 1310 | Soil | 4 | | X | X | | | | | |
| E20-S66-75 | 09A-D | 1/21/16 | 1400 | Soil | 4 | | X | X | | | | | |
| E13-S66-45 | 10A-D | 1/21/16 | 1320 | Soil | 4 | | X | X | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|------------------|---------|---------|------|
| Relinquished by: <u>[Signature]</u> | Josh Beathel | EPT | 1/22/16 | 1000 |
| Received by: <u>[Signature]</u> | Eric [Signature] | F&B | 1/22/16 | 1000 |
| Relinquished by: | | | | |
| Received by: | | | | |

601278

VS, M² 1/22/16



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

Chain of Custody Record

Date: 1/22/16

Laboratory Project No (Internal): _____

Page: 2 of 2

Client: EPI
Address: 1180 NW Maple St Site 370
City, State, Zip: ISSAQUAH, WA 98287
Telephone: 365-291-5400 Fax: _____

Project Name: City ELM
Project No: 70210 Collected by: AS
Location: _____
Report To (PM): Jack B. ...
PM Email: _____

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

| Sample Name | Sample Date | Sample Time | Sample Type (Matrix)* | Analytes | | | | | | | | | | | | | Comments | | |
|-----------------|-------------|-------------|-----------------------|-----------------------|---------|------|------------------------------|-----------------------------------|--------------------------------------|------------------------|----------------------|-----------------------|-----------------------------|---------------------------|----------------|------------|----------|--|--------|
| | | | | VOCs (EPA 8260 / 824) | GX/BTEX | BTEX | Gasoline Range Organics (GX) | Hydrocarbon Identification (HCID) | Diesel/Heavy Oil Range Organics (OH) | SVOCS (EPA 8270 / 825) | PAHs (EPA 8270 - 5M) | PCBs (EPA 8082 / 808) | Metals** (EPA 6020 / 200.8) | Total (T) / Dissolved (D) | Anions (IC)*** | EDR (8011) | | | |
| ✓ 1 E-20 560 8B | 1/22/16 | 1420 | S/L | X | | | | | | | | | | | | | | | -11A-D |
| ✓ 2 E-23 566 3S | 1/22/16 | 1410 | S/L | X | | | | | | | | | | | | | | | -12A-D |
| ✓ E-26 562 3S | 1/22/16 | 1500 | S/L | X | | | | | | | | | | | | | | | -13A-D |
| ✓ E-26 562 6.5S | 1/22/16 | 1510 | S/L | X | | | | | | | | | | | | | | | -14A-D |
| 5 | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | |

**Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide D-Phosphate Fluoride Nitrate+Nitrite
Sample Disposal: Return to Client Disposal by Lab (A fee may be assessed if samples are retained after 30 days.)
Turn-around times for samples received after 4:00pm will begin on the following business day.

| | | | |
|--------------|---------------------|----------|---------------------|
| Relinquished | Date/Time | Received | Date/Time |
| x | <u>1/22/16 1000</u> | x | <u>1/22/16 1010</u> |

TAT → SameDay^ NextDay^ 2 Day 3 Day STD

^Please coordinate with the lab in advance

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 27, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 601299

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 25, 2016 from the 71201, F&BI 601299 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon, Charles McFadden
EPI0127R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 25, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 601299 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601299 -01 | W118-S66-3S |
| 601299 -02 | W118-S66-8S |
| 601299 -03 | W118-S62-10B |
| 601299 -04 | W140-S66-3S |
| 601299 -05 | W140-S66-8S |
| 601299 -06 | W140-S60-10B |
| 601299 -07 | W110-S66-3S |
| 601299 -08 | W110-S66-8S |
| 601299 -09 | W110-S56-10B |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/27/16
 Date Received: 01/25/16
 Project: 71201, F&BI 601299
 Date Extracted: 01/25/16
 Date Analyzed: 01/25/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W118-S66-3S 601299-01 | 0.21 | 1.7 | 0.13 | 0.71 | 7.5 | 79 |
| W118-S66-8S 601299-02 | <0.02 | 0.023 | <0.02 | <0.06 | <2 | 77 |
| W118-S62-10B 601299-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 82 |
| W140-S66-3S 601299-04 | 0.50 | 7.4 | 1.2 | 5.8 | 70 | 82 |
| W140-S66-8S 601299-05 | <0.02 | 0.022 | <0.02 | <0.06 | <2 | 79 |
| W140-S60-10B 601299-06 | <0.02 | 0.084 | <0.02 | <0.06 | <2 | 80 |
| W110-S66-3S 601299-07 | 0.026 | 0.64 | 0.071 | 0.57 | 3.8 | 79 |
| W110-S66-8S 601299-08 | <0.02 | 0.033 | <0.02 | <0.06 | <2 | 80 |
| W110-S56-10B 601299-09 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 80 |
| Method Blank 06-154 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 82 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/27/16
 Date Received: 01/25/16
 Project: 71201, F&BI 601299

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601299-02 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 102 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 99 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 103 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 99 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 95 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601299

SAMPLE CHAIN OF CUSTODY

ME 01-25-16

V52

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple St STE 310
 City, State, ZIP Issaquah WA 98027
 Phone # 425-395-0010 Fax # _____

SAMPLERS (signature) Ch McF
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

Page # _____ of _____
TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | |
|--------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | |
| W118-566-3s | 01AD | 1/25/16 | 830 | Soil | 4 | | X | X | | | | | | | | | | |
| W118-566-8s | 02 | | 840 | | | | | | | | | | | | | | | |
| W118-562-10B | 03 | | 847 | | | | | | | | | | | | | | | |
| W140-566-3s | 04 | | 1050 | | | | | | | | | | | | | | | |
| W140-566-8s | 05 | | 1057 | | | | | | | | | | | | | | | |
| W140-560-10B | 06 | | 1106 | | | | | | | | | | | | | | | |
| W110-566-3s | 07 | | 1245 | | | | | | | | | | | | | | | |
| W110-566-8s | 08 | | 1257 | | | | | | | | | | | | | | | |
| W110-556-10B | 09 | | 1313 | | | | | | | | | | | | | | | |

Samples received at 4 °C

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|--------------------------------|------------------|---------|---------|------|
| Relinquished by: <u>Ch McF</u> | Charles McFadden | EPI | 1/25/16 | 1438 |
| Received by: <u>VINH</u> | VINH | FBI | 1/25/16 | 1438 |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 28, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: Cle Elum Spill MM 80, PO 71201, F&BI 601308

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 26, 2016 from the Cle Elum Spill MM 80, PO 71201, F&BI 601308 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Bryan Miles, Eric Koltres
EPI0128R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 26, 2016 by Friedman & Bruya, Inc. from the Environmental Partners Cle Elum Spill MM 80, PO 71201, F&BI 601308 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601308 -01 | MW-2 |
| 601308 -02 | MW-5 |
| 601308 -03 | MW-12 |
| 601308 -04 | MW-8 |
| 601308 -05 | MW-9 |
| 601308 -06 | MW-4 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/28/16

Date Received: 01/26/16

Project: Cle Elum Spill MM 80, PO 71201, F&BI 601308

Date Extracted: 01/26/16

Date Analyzed: 01/26/16

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx
Results Reported as ug/L (ppb)**

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| MW-2 601308-01 | <1 | 3.1 | <1 | <3 | <100 | 76 |
| MW-5 601308-02 | 69 | 330 | 11 | 140 | 1,700 | 72 |
| MW-12 601308-03 | <1 | <1 | <1 | <3 | <100 | 76 |
| MW-8 601308-04 | <1 | <1 | <1 | <3 | <100 | 77 |
| MW-9 601308-05 | <1 | <1 | <1 | <3 | <100 | 73 |
| MW-4 601308-06 | <1 | <1 | <1 | <3 | <100 | 79 |
| Method Blank 06-155 MB | <1 | <1 | <1 | <3 | <100 | 95 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/28/16

Date Received: 01/26/16

Project: Cle Elum Spill MM 80, PO 71201, F&BI 601308

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601308-03 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|--------------------|------------------|---------------------|-------------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | <1 | <1 | nm |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|--------------------|----------------|----------------------------|------------------------|
| Benzene | ug/L (ppb) | 50 | 109 | 65-118 |
| Toluene | ug/L (ppb) | 50 | 106 | 72-122 |
| Ethylbenzene | ug/L (ppb) | 50 | 108 | 73-126 |
| Xylenes | ug/L (ppb) | 150 | 106 | 74-118 |
| Gasoline | ug/L (ppb) | 1,000 | 101 | 69-134 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601308

SAMPLE CHAIN OF CUSTODY ME 01/26/16

Page # 1 of 1 v2

Send Report To Josh Beards
 Company FPI
 Address 180 NW 1st St Ste 30
 City, State, ZIP Issaquah, WA 98027
 Phone # _____ Fax # _____

SAMPLERS (signature) _____
 PROJECT NAME/NO. clean Sam mms PO# 71201
 REMARKS _____

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH 24-hr
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | | |
|-----------|-----------------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|---|-------|---|---|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | |
| MW-2 | 01 ^A | 1/25/16 | 1240 | water | 3 vials | | X | X | | | | | | | |
| MW-5 | 02 | | 1300 | | | | X | X | | | | | | | |
| MW-12 | 03 | | 1340 | | | | X | X | | | | | | | |
| MW-8 | 04 | | 1400 | | | | X | X | | | | | | | |
| MW-9 | 05 | | 1425 | | | | X | X | | | | | | | |
| MW-4 | 06 ^A | | 1455 | | | | X | X | | | | | | | |
| / | / | / | / | / | / | / | / | / | / | / | / | / | / | / | / |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|------------------------|-------------|---------------------|---------|------|
| Relinquished by: _____ | Bryan Miles | FPI | 1/26/16 | 0955 |
| Received by: _____ | Eric Clavin | FPI | 1/26/16 | 0955 |
| Relinquished by: _____ | | | | |
| Received by: _____ | | Samples received at | 6 | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 29, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 601318

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 26, 2016 from the 71201, F&BI 601318 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon, Charles McFadden
EPI0129R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 26, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 601318 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601318 -01 | W130-S66-3S |
| 601318 -02 | W130-S66-8S |
| 601318 -03 | W130-S56-10B |
| 601318 -04 | TEE-1a |
| 601318 -05 | TEE-2a |
| 601318 -06 | TEE-3a |
| 601318 -07 | TEE-4a |
| 601318 -08 | TEE-5a |
| 601318 -09 | W150-S40-10B |
| 601318 -10 | W165-S23-3S |
| 601318 -11 | W166-S28-8S |
| 601318 -12 | W166-S52-8S |
| 601318 -13 | W167-S60-3S |
| 601318 -14 | W163-S41-10B |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/29/16
 Date Received: 01/26/16
 Project: 71201, F&BI 601318
 Date Extracted: 01/26/16
 Date Analyzed: 01/26/16 and 01/27/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-G_x**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| W130-S66-3S 601318-01 1/10 | 0.45 | 25 | 9.2 | 44 | 470 | 82 |
| W130-S66-8S 601318-02 | <0.02 | 0.027 | <0.02 | <0.06 | <2 | 77 |
| W130-S56-10B 601318-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 78 |
| TEE-1a 601318-04 1/1000 | 59 | 1,200 | 220 | 1,100 | 10,000 | 80 |
| TEE-2a 601318-05 1/10 | 2.0 | 150 | 20 | 210 | 1,200 | 86 |
| TEE-3a 601318-06 1/10 | 1.0 | 62 | 17 | 100 | 870 | 84 |
| TEE-4a 601318-07 1/10 | 1.2 | 66 | 19 | 130 | 990 | 85 |
| TEE-5a 601318-08 1/10 | 1.2 | 62 | 19 | 110 | 1,000 | 84 |
| W150-S40-10B 601318-09 | 0.078 | 0.63 | 0.041 | 0.22 | 3.1 | 81 |
| W165-S23-3S 601318-10 | 0.047 | 0.50 | <0.02 | 0.085 | 2.2 | 81 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/29/16
Date Received: 01/26/16
Project: 71201, F&BI 601318
Date Extracted: 01/26/16
Date Analyzed: 01/26/16 and 01/27/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W166-S28-8S 601318-11 1/10 | 16 | 770 | 190 | 1,100 | 8,300 | 83 |
| W166-S52-8S 601318-12 | <0.02 | 0.38 | 0.069 | 0.39 | 3.7 | 80 |
| W167-S60-3S 601318-13 | <0.02 | 1.3 | 0.056 | 1.3 | 8.2 | 79 |
| W163-S41-10B 601318-14 | <0.02 | 0.032 | <0.02 | <0.06 | <2 | 80 |
| Method Blank 06-156 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 81 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/29/16
 Date Received: 01/26/16
 Project: 71201, F&BI 601318

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601297-07 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 95 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 93 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 98 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 94 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 95 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

60.318

SAMPLE CH. N OF CUSTODY ME 1/26/16

V52

Send Report To Josh Bernthal

Company EPI

Address 1180 NW Maple St STE 310

City, State, ZIP Issaquah WA 98027

Phone # 425-395-0010 Fax #

SAMPLERS (signature) [Signature]

PROJECT NAME/NO. 71201 PO#

REMARKS

Page # 1 of 2

TURNAROUND TIME

Standard (2 Weeks)

RUSH

Rush charges authorized by _____

SAMPLE DISPOSAL

Dispose after 30 days

Return samples

Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | |
|--------------|------------------------------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | |
| W130-566-3s | 01 ^A _D | 1/26/16 | 841 | Soil | 4 | | X | X | | | | | | |
| W130-566-8s | 02 | | 849 | | | | X | X | | | | | | |
| W130-556-10B | 03 | | 903 | | | | X | X | | | | | | |
| TEE-1a | 04 | | 1000 | | | | X | X | | | | | | |
| TEE-2a | 05 | | 1003 | | | | X | X | | | | | | |
| TEE-3a | 06 | | 1006 | | | | X | X | | | | | | |
| TEE-4a | 07 | | 1009 | | | | X | X | | | | | | |
| TEE-5a | 08 | | 1012 | | | | X | X | | | | | | |
| W150-540-10B | 09 | | 1242 | | | | X | X | | | | | | |
| W165-523-3s | 10 | | 1351 | | | | X | X | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|------------------|---------------------|----------|-----------|
| Relinquished by: <u>[Signature]</u> | Charles McFadden | EPI | 1/26/16 | 1433 |
| Received by: <u>[Signature]</u> | VINNY | FBI | 1/26/16 | 1433 |
| Relinquished by: | | | | |
| Received by: | | Samples received at | <u>4</u> | <u>°C</u> |

601318

SAMPLE CHAIN OF CUSTODY ME 1/26/16

VS2

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple St STE 310
 City, State, ZIP Issaquah WA 98027
 Phone # 425-395-0010 Fax # _____

SAMPLERS (signature) Ch Mc
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

Page # 2 of 2

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | |
|------------------------|-------------------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|-------|---------------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | |
| W166-528-83 | 11 ^{A-D} | 1/26/16 | 1356 | Soil | 4 | X | X | | | | | | | |
| W166-552-83 | 12 | | 1400 | | | X | X | | | | | | | |
| W167-560-35 | 13 | | 1406 | | | X | X | | | | | | | |
| W153-510-35 | | | | | | X | X | | | | | | | Not collected |
| W163-541-30B | 14 ^{A-D} | | 1417 | ↓ | ↓ | X | X | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------|------------------|---------------------|----------|-------|
| Relinquished by: <u>Ch Mc</u> | Charles McFadden | EPI | 1/26/16 | 1433 |
| Received by: <u>Vinh</u> | VINH | FBI | 1/26/16 | 1433 |
| Relinquished by: _____ | _____ | _____ | _____ | _____ |
| Received by: _____ | _____ | Samples received at | <u>4</u> | _____ |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

January 29, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 601332

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 27, 2016 from the 71201, F&BI 601332 project. There are 7 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Charles McFadden, Eric Koltas, Cynthia Moon
EPI0129R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 27, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 601332 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601332 -01 | W153-S20-3S |
| 601332 -02 | W166-S25-10B |
| 601332 -03 | W166-S24-8S |
| 601332 -04 | W161-S26-8S |
| 601332 -05 | W176-S26-8S |
| 601332 -06 | W176-S21-3S |
| 601332 -07 | W176-S51-8S |
| 601332 -08 | W176-S62-3S |
| 601332 -09 | W175-S42-10B |
| 601332 -10 | W165-S21-3S |
| 601332 -11 | W162-S66-3S |
| 601332 -12 | W162-S66-6S |
| 601332 -13 | W162-S60-8B |
| 601332 -14 | PW-1-8 |
| 601332 -15 | PW-2-7 |
| 601332 -16 | W150-S40-11.5B |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/29/16
 Date Received: 01/27/16
 Project: 71201, F&BI 601332
 Date Extracted: 01/27/16
 Date Analyzed: 01/27/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W153-S20-3S 601332-01 | <0.02 | 0.023 | <0.02 | <0.06 | <2 | 77 |
| W166-S25-10B 601332-02 | 0.083 | 0.16 | <0.02 | <0.06 | <2 | 80 |
| W166-S24-8S 601332-03 | <0.02 | 0.040 | <0.02 | <0.06 | <2 | 81 |
| W161-S26-8S 601332-04 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 80 |
| W176-S26-8S 601332-05 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 81 |
| W176-S21-3S 601332-06 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 80 |
| W176-S51-8S 601332-07 | <0.02 | 0.027 | <0.02 | <0.06 | <2 | 80 |
| W176-S62-3S 601332-08 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 81 |
| W175-S42-10B 601332-09 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 80 |
| W165-S21-3S 601332-10 | 0.044 | 0.31 | <0.02 | <0.06 | <2 | 80 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/29/16
Date Received: 01/27/16
Project: 71201, F&BI 601332
Date Extracted: 01/27/16
Date Analyzed: 01/27/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W162-S66-3S 601332-11 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 79 |
| W162-S66-6S 601332-12 | 0.054 | 0.11 | <0.02 | <0.06 | <2 | 79 |
| W162-S60-8B 601332-13 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 79 |
| W150-S40-11.5B 601332-16 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 80 |
| Method Blank 06-159 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 80 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/29/16
Date Received: 01/27/16
Project: 71201, F&BI 601332
Date Extracted: 01/27/16
Date Analyzed: 01/27/16

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 52-124) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| PW-1-8 601332-14 | <1 | <1 | <1 | <3 | <100 | 91 |
| PW-2-7 601332-15 | <1 | <1 | <1 | <3 | <100 | 91 |
| Method Blank 06-157 MB | <1 | <1 | <1 | <3 | <100 | 97 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/29/16

Date Received: 01/27/16

Project: 71201, F&BI 601332

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601332-06 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|--------------------|------------------------------|---------------------------------|-------------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|--------------------|----------------|----------------------------|------------------------|
| Benzene | mg/kg (ppm) | 0.5 | 97 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 96 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 101 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 99 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 95 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/29/16
 Date Received: 01/27/16
 Project: 71201, F&BI 601332

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
 SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601328-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|-----------------|---------------|------------------|----------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | <1 | <1 | nm |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | ug/L (ppb) | 50 | 110 | 65-118 |
| Toluene | ug/L (ppb) | 50 | 106 | 72-122 |
| Ethylbenzene | ug/L (ppb) | 50 | 107 | 73-126 |
| Xylenes | ug/L (ppb) | 150 | 104 | 74-118 |
| Gasoline | ug/L (ppb) | 1,000 | 102 | 69-134 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

6-1302

SAMPLE CF N OF CUSTODY

ME 01-11-16

VI/VSL

Send Report To Josh Bernthal
 Company EPI
 Address 11821W Maple St STE 310
 City, State, ZIP Fissaquan Wa 98027
 Phone # 425-345-0010 Fax # _____

SAMPLERS (signature) As M
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

Page # 21 of 2
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | |
|--------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|-------------------------------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | |
| W153-520-3s | 01A-D | 1/27/16 | 805 | Soil | 4 | X | X | | | | | | | | | | | |
| W166-525-10B | 02 | | 917 | | | X | X | | | | | | | | | | | |
| W166-524-8s | 03 | | 923 | | | X | X | | | | | | | | | | | |
| W161-526-8s | 04 | | 930 | | | X | X | | | | | | | | | | | |
| W176-526-8s | 05 | | 1036 | | | X | X | | | | | | | | | | | |
| W176-521-3s | 06 | | 1041 | | | X | X | | | | | | | | | | | |
| W176-551-8s | 07 | | 1046 | | | X | X | | | | | | | | | | | |
| W176-562-3s | 08 | | 1052 | | | X | X | | | | | | | | | | | |
| W175-542-10B | 09 | | 1057 | | | X | X | | | | | | | | | | | Sample received at <u>4°C</u> |
| W165-521-3s | 10 | | 1107 | | | X | X | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---------------------------------|-------------------------|------------|----------------|-------------|
| Relinquished by: <u>As M</u> | <u>Charles McFadden</u> | <u>EPI</u> | <u>1/27/16</u> | <u>1440</u> |
| Received by: <u>[Signature]</u> | <u>VINHA</u> | <u>FR1</u> | <u>1/27/16</u> | <u>1440</u> |
| Relinquished by: _____ | | | | |
| Received by: _____ | | | | |

601332

SAMPLE CHAIN OF CUSTODY

ME 01-27-16

V1/V5

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple St STE 310
 City, State, ZIP Issaquah WA 98027
 Phone # 425-395-0010 Fax # _____

SAMPLERS (signature) [Signature]
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

Page # 2 of 2
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | |
|---------------------------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | |
| W102-566-3s | 11A-D | 1/27/16 | 1208 | Soil | 4 | X | X | | | | | | | |
| W162-566-6s | 12 | | 1215 | ↓ | ↓ | X | X | | | | | | | |
| W162-566-8B | 13 | | 1227 | ↓ | ↓ | X | X | | | | | | | |
| PW-1-8 | 14A-C | | 1323 | Water | 3 | X | X | | | | | | | |
| PW-2-7 | 15A-C | | 1326 | Water | 3 | X | X | | | | | | | |
| W150-540-11.5B | 16A-D | 1/27/16 | 1411 | Soil | 4 | X | X | | | | | | | |
| Samples received at <u>4</u> °C | | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 83-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|------------------|---------|---------|------|
| Relinquished by: <u>[Signature]</u> | Charles McFadden | EPI | 1/27/16 | 1440 |
| Received by: <u>[Signature]</u> | V. N. H. | FBI | 1/27/16 | 1440 |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

February 1, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 601333

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 27, 2016 from the 71201, F&BI 601333 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Charles McFadden, Eric Koltas
EPI0201R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 27, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 601333 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601333 -01 | TEE-3a |
| 601333 -02 | TEE-3b |
| 601333 -03 | TEE-3c |
| 601333 -04 | TEE-3d |
| 601333 -05 | TEE-3e |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/01/16
 Date Received: 01/27/16
 Project: 71201, F&BI 601333
 Date Extracted: 01/28/16
 Date Analyzed: 01/28/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-132) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| TEE-3a 601333-01 1/10 | 0.93 | 55 | 11 | 89 | 490 | 93 |
| TEE-3b 601333-02 1/5 | 0.65 | 39 | 9.0 | 67 | 420 | 96 |
| TEE-3c 601333-03 1/5 | 1.2 | 68 | 13 | 100 | 570 | 95 |
| TEE-3d 601333-04 1/5 | 0.53 | 30 | 8.2 | 54 | 370 | 95 |
| TEE-3e 601333-05 1/5 | 0.50 | 35 | 9.8 | 68 | 440 | 94 |
| Method Blank 06-158 MB2 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 77 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/01/16

Date Received: 01/27/16

Project: 71201, F&BI 601333

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601317-01 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 98 | 66-121 |
| Toluene | mg/kg (ppm) | 0.5 | 100 | 72-128 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 102 | 69-132 |
| Xylenes | mg/kg (ppm) | 1.5 | 102 | 69-131 |
| Gasoline | mg/kg (ppm) | 20 | 95 | 61-153 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601333

SAMPLE CHAIN OF CUSTODY

ME 01/27/16

Page # 1 of 1 US1

Send Report To Josh Bernthal
 Company EPI
 Address 180 NW Maple St STE 310
 City, State, ZIP Issaquah WA 98027
 Phone # 425-345-0000 Fax # _____

SAMPLERS (signature) [Signature]
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | |
|---------------------------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | |
| TEE-3a | 01 | 1/27/16 | 1052 | Soil | 4 | X | X | | | | | | | | | | | |
| TEE-3b | 02 | ↓ | 1135 | ↓ | ↓ | X | X | | | | | | | | | | | |
| TEE-3c | 03 | ↓ | 1138 | ↓ | ↓ | X | X | | | | | | | | | | | |
| TEE-3d | 04 | ↓ | 1142 | ↓ | ↓ | X | X | | | | | | | | | | | |
| TEE-3e | 05 | ↓ | 1145 | ↓ | ↓ | X | X | | | | | | | | | | | |
| Samples received at <u>4</u> °C | | | | | | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 83-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|------------------|---------|---------|-------|
| Relinquished by: <u>[Signature]</u> | Charles McFadden | EPI | 1/27/16 | 1440 |
| Received by: <u>[Signature]</u> | VINVA | FR1 | 1/27/16 | 1440 |
| Relinquished by: _____ | _____ | _____ | _____ | _____ |
| Received by: _____ | _____ | _____ | _____ | _____ |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

February 2, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 601356

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 28, 2016 from the 71201, F&BI 601356 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon, Charles McFadden
EPI0202R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 28, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 601356 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601356 -01 | W151-S66-3S |
| 601356 -02 | W151-S66-6S |
| 601356 -03 | W188-S21-3S |
| 601356 -04 | W187-S26-8S |
| 601356 -05 | W187-S42-10B |
| 601356 -06 | W187-S52-8S |
| 601356 -07 | W187-S62-3S |
| 601356 -08 | W166-S25-11B |
| 601356 -09 | SP9 |
| 601356 -10 | SP10 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/02/16
 Date Received: 01/28/16
 Project: 71201, F&BI 601356
 Date Extracted: 01/28/16
 Date Analyzed: 01/28/16 and 01/29/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| W151-S66-3S 601356-01 | <0.02 | 0.19 | <0.02 | 0.54 | 8.3 | 78 |
| W151-S66-6S 601356-02 | 0.12 | 0.54 | 0.026 | 0.51 | 5.9 | 77 |
| W188-S21-3S 601356-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 81 |
| W187-S26-8S 601356-04 | 0.12 | 0.64 | 0.11 | 0.87 | 14 | 82 |
| W187-S42-10B 601356-05 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 78 |
| W187-S52-8S 601356-06 | <0.02 | 0.028 | <0.02 | <0.06 | <2 | 82 |
| W187-S62-3S 601356-07 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 82 |
| W166-S25-11B 601356-08 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 81 |
| SP9 601356-09 | <0.02 | 5.8 | 1.3 | 11 | 76 | 86 |
| SP10 601356-10 1/10 | 14 | 220 | 56 | 270 | 2,500 | 94 |
| Method Blank 06-162 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 71 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/02/16

Date Received: 01/28/16

Project: 71201, F&BI 601356

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601357-06 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | mg/kg (ppm) | 0.5 | 95 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 92 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 105 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 101 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 100 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY ME 1/28/16

601356

Send Report To Josh Benthall
 Company EPC
 Address 1180 NW Maple st STE 310
 City, State, ZIP Issaquah WA 98027
 Phone # 425-345-0044 Fax # _____

| | |
|---|-----|
| SAMPLERS (signature) <u>[Signature]</u> | |
| PROJECT NAME/NO. <u>7120</u> | PO# |
| REMARKS | |

Page # _____ of _____

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | |
|--------------|-----------------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | |
| W151-566-3s | 01 ^A | 1/28/16 | 903 | Soil | 4 | X | X | | | | | | | | | | |
| W151-566-6s | 02 | 1/28/16 | 915 | Soil | 4 | X | X | | | | | | | | | | |
| W188-521-3s | 03 | | 948 | | | X | X | | | | | | | | | | |
| W187-526-8s | 04 | | 955 | | | X | X | | | | | | | | | | |
| W187-542-10B | 05 | | 1001 | | | X | X | | | | | | | | | | |
| W187-552-8s | 06 | | 1007 | | | X | X | | | | | | | | | | |
| W187-562-3s | 07 | | 1010 | | | X | X | | | | | | | | | | |
| W166-525-11B | 08 | | 1127 | | | X | X | | | | | | | | | | |
| SP9 | 09 | | 1257 | | | X | X | | | | | | | | | | |
| SP10 | 10 | | 1301 | | | X | X | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 83-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|------------------|---------|---------|------|
| Relinquished by: <u>[Signature]</u> | Charles McFarlan | EPC | 1/28/16 | 1445 |
| Received by: <u>[Signature]</u> | VINH | FPI | 1/28/16 | 1445 |
| Relinquished by: | | | | |
| Received by: | | | | |

Samples received at 3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

February 1, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 601357

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 28, 2016 from the 71201, F&BI 601357 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Charles McFadden
EPI0201R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 28, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 601357 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601357 -01 | SP11 |
| 601357 -02 | W171-S66-3S |
| 601357 -03 | W171-S66-6S |
| 601357 -04 | BF-4 |
| 601357 -05 | BF-5 |
| 601357 -06 | BF-6 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/01/16
 Date Received: 01/28/16
 Project: 71201, F&BI 601357
 Date Extracted: 01/28/16
 Date Analyzed: 01/28/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| SP11 601357-01 1/10 | 0.28 | 12 | 3.9 | 22 | 180 | 81 |
| W171-S66-3S 601357-02 | <0.02 | 0.033 | <0.02 | <0.06 | <2 | 80 |
| W171-S66-6S 601357-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 79 |
| BF-4 601357-04 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 81 |
| BF-5 601357-05 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 78 |
| BF-6 601357-06 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 80 |
| Method Blank 06-162 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 71 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/01/16
 Date Received: 01/28/16
 Project: 71201, F&BI 601357

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601357-06 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 95 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 92 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 105 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 101 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 100 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601357

SAMPLE CHAIN OF CUSTODY ME 1/28/16

V52

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple St STE 310
 City, State, ZIP Issaquah Wa 98027
 Phone # 425-395-0010 Fax # _____

SAMPLERS (signature) _____
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

Page # _____ of _____
TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | |
|-------------|------------------------------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | |
| SP11 | 01 ^A _D | 1/28/16 | 1305 | Soil | 4 | X | X | | | | | | | | | | |
| W171-566-35 | 02 | | 1330 | | | | X | X | | | | | | | | | |
| W171-566-65 | 03 | | 1336 | | | | X | X | | | | | | | | | |
| BF-4 | 04 | | 1410 | | | | X | X | | | | | | | | | |
| BF-5 | 05 | | 1412 | | | | X | X | | | | | | | | | |
| BF-6 | 06 | | 1414 | | | | X | X | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 83-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|------------------------|---------------------------------|----------------|-------------|
| Relinquished by: <u>[Signature]</u> | <u>Claude McFadden</u> | <u>EPI</u> | <u>1/28/16</u> | <u>1445</u> |
| Received by: <u>[Signature]</u> | <u>VINH</u> | <u>FBI</u> | <u>1/28/16</u> | <u>1445</u> |
| Relinquished by: _____ | _____ | _____ | _____ | _____ |
| Received by: _____ | _____ | Samples received at <u>3</u> °C | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

February 3, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 601376

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on January 29, 2016 from the 71201, F&BI 601376 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Charles McFadden, Eric Koltes
EPI0203R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 29, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 601376 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 601376 -01 | W178-S66-3S |
| 601376 -02 | W178-S66-5S |
| 601376 -03 | W180-S64.5-2S |
| 601376 -04 | W180-S63-4S |
| 601376 -05 | W178-S62-6B |
| 601376 -06 | W175-S64-2S |
| 601376 -07 | W198-S23-3S |
| 601376 -08 | W198-S26-8S |
| 601376 -09 | W199-S40-10B |
| 601376 -10 | W197-S52-8S |
| 601376 -11 | W198-S62-3S |
| 601376 -12 | W187-S24-8S |
| 601376 -13 | W187-S25-10B |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/03/16
 Date Received: 01/29/16
 Project: 71201, F&BI 601376
 Date Extracted: 02/01/16
 Date Analyzed: 02/01/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| W178-S66-3S 601376-01 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 91 |
| W178-S66-5S 601376-02 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 91 |
| W180-S64.5-2S 601376-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 91 |
| W180-S63-4S 601376-04 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 93 |
| W178-S62-6B 601376-05 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 91 |
| W175-S64-2S 601376-06 | <0.02 | 1.6 | <0.02 | 3.7 | 24 | 78 |
| W198-S23-3S 601376-07 | <0.02 | 0.46 | 0.081 | 1.8 | 24 | 77 |
| W198-S26-8S 601376-08 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 80 |
| W199-S40-10B 601376-09 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 91 |
| W197-S52-8S 601376-10 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 93 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/03/16
Date Received: 01/29/16
Project: 71201, F&BI 601376
Date Extracted: 02/01/16
Date Analyzed: 02/01/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W198-S62-3S 601376-11 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 79 |
| W187-S24-8S 601376-12 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 78 |
| W187-S25-10B 601376-13 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 74 |
| Method Blank 06-193 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 80 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/03/16
 Date Received: 01/29/16
 Project: 71201, F&BI 601376

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601376-01 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 79 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 82 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 86 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 85 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 90 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

601576

SAMPLE CHAIN OF CUSTODY

VS2 MC 1/29/16

Send Report To Josh Bernthal
Company EPI
Address 1180 NW Maple St STE 310
City, State, ZIP Issaquah WA 98027
Phone # 425-395-0016 Fax # _____

| | |
|----------------------------------|-----|
| SAMPLERS (signature) <u>U M</u> | |
| PROJECT NAME/NO. <u>71201</u> | PO# |
| REMARKS | |

Page # _____ of _____

TURNAROUND TIME

Standard (2 Weeks)

RUSH _____

Rush charges authorized by _____

SAMPLE DISPOSAL

Dispose after 30 days

Return samples

Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | | | |
|---------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|--|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | | | |
| W178-566-7s | 01A-D | 1/29/16 | 912 | Soil | 4 | | X | X | | | | | | | | | | | | |
| W178-566-5s | 02A-D | | 916 | | | | X | X | | | | | | | | | | | | |
| W180-564.4-2s | 03A-D | | 920 | | | | X | X | | | | | | | | | | | | |
| W180-563-4s | 04A-D | | 925 | | | | X | X | | | | | | | | | | | | |
| W178-562-6B | 05A-D | | 929 | | | | X | X | | | | | | | | | | | | |
| W175-564-2s | 06A-D | | 934 | | | | X | X | | | | | | | | | | | | |
| W198-523-3s | 07A-D | | 1045 | | | | X | X | | | | | | | | | | | | |
| W198-526-8s | 08A-D | | 1051 | | | | X | X | | | | | | | | | | | | |
| W199-540-10B | 09A-D | | 1056 | | | | X | X | | | | | | | | | | | | |
| W197-552-8s | 10A-D | ✓ | 1100 | ▽ | ▽ | | X | X | | | | | | | | | | | | |

Samples received at 2 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-----------------------------|------------------|---------|---------|------|
| Relinquished by: <u>U M</u> | Charles McFadden | EPI | 1/29/16 | 1350 |
| Received by: <u>J S</u> | Joe Sherrod | EPI | 1/29/16 | 1350 |
| Relinquished by: <u>J S</u> | Joe Sherrod | EPI | 1/29/16 | 1510 |
| Received by: <u>M E</u> | Michael E-dahl | EPI | 1/29/16 | 1556 |

601376

SAMPLE CHAIN OF CUSTODY

VS2 MS 1/29/16

Send Report To Josh Bernthal
Company EPI
Address 1180 NW Maple St STE 310
City, State, ZIP Issaquah WA 98027
Phone # 425-395-0010 Fax #

SAMPLERS (signature) [Signature]
PROJECT NAME/NO. 71201 PO#
REMARKS

Page # of
TURNAROUND TIME
Standard (2 Weeks)
RUSH
Rush charges authorized by
SAMPLE DISPOSAL
Dispose after 30 days
Return samples
Will call with instructions

Table with columns: Sample ID, Lab ID, Date Sampled, Time Sampled, Sample Type, # of containers, ANALYSES REQUESTED (TPH-Diesel, TPH-Gasoline, BTEX by 8021B, VOCs by 8260, SVOCs by 8270, HFS), Notes. Contains 3 rows of soil sampling data.

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

Table with columns: SIGNATURE, PRINT NAME, COMPANY, DATE, TIME. Contains 4 rows of signature and name entries.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

February 5, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 602008

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on February 1, 2016 from the 71201, F&BI 602008 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon, Charles McFadden, Eric Koltes
EPI0205R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 1, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 602008 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 602008 -01 | W209-S23-3S |
| 602008 -02 | W209-S24-8S |
| 602008 -03 | W210-S41-11B |
| 602008 -04 | W208-S51-8S |
| 602008 -05 | W208-S60-3S |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/05/16
Date Received: 02/01/16
Project: 71201, F&BI 602008
Date Extracted: 02/01/16
Date Analyzed: 02/01/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-132) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W209-S23-3S 602008-01 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 94 |
| W209-S24-8S 602008-02 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 91 |
| W210-S41-11B 602008-03 | <0.02 | 0.21 | <0.02 | 2.4 | 20 | 96 |
| W208-S51-8S 602008-04 | 0.027 | 0.15 | <0.02 | <0.06 | <2 | 92 |
| W208-S60-3S 602008-05 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 94 |
| Method Blank 06-193 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 80 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/05/16
 Date Received: 02/01/16
 Project: 71201, F&BI 602008

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 601376-01 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | mg/kg (ppm) | 0.5 | 79 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 82 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 86 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 85 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 90 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

ME02-01-16

V53

602008

Send Report To Josh Buntan
 Company EPI
 Address 1180 NW Maple St STE 310
 City, State, ZIP Issaquah WA 98027
 Phone # 425-395-0010 Fax # _____

| | |
|----------------------------------|-----|
| SAMPLERS (signature) | |
| PROJECT NAME/NO. <u>71201</u> | PO# |
| REMARKS | |

Page # _____ of _____

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH _____
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | | |
|--------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|---------------------------------|--|-------|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | |
| W209-523-35 | 01A-D | 1/30/16 | 1109 | Soil | 4 | X | X | | | | | | | | |
| W209-524-85 | 02 | | 1114 | | | X | X | | | | | | | | |
| W210-541-11B | 03 | | 1120 | | | X | X | | | | | | | | |
| W208-551-85 | 04 | | 1124 | | | X | X | | | | | | | | |
| W208-560-35 | 05 | | 1120 | | | X | X | | | | | | | | |
| | | | | | | | | | | | Samples received at <u>3</u> °C | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044
 FORMS\CC IC.DOC

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|----------------------------------|------------------|---------|------|------|
| Relinquished by: <u>Ch M</u> | Charles Mufadden | EPI | | |
| Received by: <u>Bill Gleason</u> | Bill Gleason | FEDEX | 2/01 | 8:38 |
| Relinquished by: | | | | |
| Received by: <u>JJ VA</u> | JJ VA | F&BI | 2/01 | 9:35 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

February 10, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 602072

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on February 4, 2016 from the 71201, F&BI 602072 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltres, Charles McFadden
EPI0210R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 4, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 602072 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 602072 -01 | MW-7 |
| 602072 -02 | MW-2 |
| 602072 -03 | MW-5 |
| 602072 -04 | MW-1 |
| 602072 -05 | MW-12 |
| 602072 -06 | MW-8 |
| 602072 -07 | MW-9 |
| 602072 -08 | MW-10 |
| 602072 -09 | MW-11 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/10/16
 Date Received: 02/04/16
 Project: 71201, F&BI 602072
 Date Extracted: 02/05/16
 Date Analyzed: 02/05/16

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 52-124) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| MW-7 602072-01 | <1 | <1 | <1 | <3 | <100 | 92 |
| MW-2 602072-02 | 4.7 | 36 | 2.6 | 13 | 200 | 92 |
| MW-5 602072-03 | <1 | 6.7 | <1 | 12 | 160 | 90 |
| MW-1 602072-04 | <1 | <1 | <1 | <3 | <100 | 94 |
| MW-12 602072-05 | <1 | <1 | <1 | <3 | <100 | 93 |
| MW-8 602072-06 | <1 | <1 | <1 | <3 | <100 | 80 |
| MW-9 602072-07 | <1 | <1 | <1 | <3 | <100 | 79 |
| MW-10 602072-08 | <1 | <1 | <1 | <3 | <100 | 80 |
| MW-11 602072-09 | <1 | <1 | <1 | <3 | <100 | 81 |
| Method Blank 06-187 MB | <1 | <1 | <1 | <3 | <100 | 89 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/10/16

Date Received: 02/04/16

Project: 71201, F&BI 602072

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 602072-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|-----------------|---------------|------------------|----------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | <1 | <1 | nm |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | ug/L (ppb) | 50 | 94 | 65-118 |
| Toluene | ug/L (ppb) | 50 | 96 | 72-122 |
| Ethylbenzene | ug/L (ppb) | 50 | 98 | 73-126 |
| Xylenes | ug/L (ppb) | 150 | 95 | 74-118 |
| Gasoline | ug/L (ppb) | 1,000 | 102 | 69-134 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

2/4/16 V, M9

Send Report To 602072 Josh Bernthal
 Company EPI
 Address 1180 NW Maple St STE 310
 City, State, ZIP Issaquah Wa 98027
 Phone # 425-395-0010 Fax # _____

| | |
|----------------------------------|-----|
| SAMPLERS (signature) <u>Ch M</u> | |
| PROJECT NAME/NO. <u>71201</u> | PO# |
| REMARKS | |

Page # _____ of _____

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | |
|-----------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--------------------------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | |
| MW-7 | 01A | 2/4/16 | 845 | Water | 3 | X | X | | | | | | | | | | |
| MW-2 | 02 | | 905 | | | X | X | | | | | | | | | | |
| MW-5 | 03 | | 925 | | | X | X | | | | | | | | | | Run First |
| MW-1 | 04 | | 1006 | | | X | X | | | | | | | | | | |
| MW-12 | 05 | | 1057 | | | X | X | | | | | | | | | | |
| MW-8 | 06 | | 1135 | | | X | X | | | | | | | | | | |
| MW-9 | 07 | | 1221 | | | X | X | | | | | | | | | | |
| MW-10 | 08 | | 1246 | | | X | X | | | | | | | | | | |
| MW-11 | 09 | | 1315 | | | X | X | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | Samples received at 4 °C |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 83-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---------------------------------|------------------|---------|--------|------|
| Relinquished by: <u>Ch M</u> | Charles McFadden | EPI | 2/4/16 | 0430 |
| Received by: <u>[Signature]</u> | Michael Erdahl | F&B | ↓ | ↓ |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

February 15, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: Cle Elum MM80 71201, F&BI 602073

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on February 4, 2016 from the Cle Elum MM80 71201, F&BI 602073 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltes, Bryan Miles
EPI0215R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 4, 2016 by Friedman & Bruya, Inc. from the Environmental Partners Cle Elum MM80 71201, F&BI 602073 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 602073 -01 | DP-1:16 |
| 602073 -02 | DP-2:4 |
| 602073 -03 | DP-3:3 |
| 602073 -04 | DP-5:4 |
| 602073 -05 | DP-5:12 |
| 602073 -06 | DP-6:8 |
| 602073 -07 | DP-6:12 |
| 602073 -08 | DP-7:12 |
| 602073 -09 | DP-8:8 |
| 602073 -10 | DP-9:2 |
| 602073 -11 | DP-9:12 |
| 602073 -12 | DP-10:3 |
| 602073 -13 | DP-10:12 |
| 602073 -14 | DP-11:2 |
| 602073 -15 | DP-12:12 |
| 602073 -16 | DP-13:7 |
| 602073 -17 | DP-13:11 |
| 602073 -18 | DP-14:4 |
| 602073 -19 | DP-14:12 |
| 602073 -20 | DP-15:8 |
| 602073 -21 | DP-15:12 |
| 602073 -22 | DP-4:12 |
| 602073 -23 | DP-8:12 |
| 602073 -24 | DP-11:12 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/15/16

Date Received: 02/04/16

Project: Cle Elum MM80 71201, F&BI 602073

Date Extracted: 02/08/16

Date Analyzed: 02/08/16 and 02/09/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| DP-2:4 602073-02 1/5 | 0.35 | 19 | 4.7 | 26 | 220 | 97 |
| DP-3:3 602073-03 | <0.02 | 0.16 | 0.022 | 0.12 | <2 | 94 |
| DP-5:4 602073-04 | <0.02 | 0.27 | 0.051 | 0.57 | 4.0 | 94 |
| DP-5:12 602073-05 | <0.02 | 0.15 | <0.02 | <0.06 | <2 | 70 |
| DP-6:8 602073-06 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 93 |
| DP-6:12 602073-07 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 77 |
| DP-7:12 602073-08 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 79 |
| DP-8:8 602073-09 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 76 |
| DP-13:7 602073-16 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 76 |
| DP-14:4 602073-18 | <0.02 | <0.02 | <0.02 | <0.06 | 12 | 80 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/15/16

Date Received: 02/04/16

Project: Cle Elum MM80 71201, F&BI 602073

Date Extracted: 02/08/16

Date Analyzed: 02/08/16 and 02/09/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| DP-15:8 602073-20 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 78 |
| DP-11:12 602073-24 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 79 |
| Method Blank 06-219 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 78 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/15/16

Date Received: 02/04/16

Project: Cle Elum MM80 71201, F&BI 602073

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 602100-06 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|--------------------|------------------------------|---------------------------------|-------------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|--------------------|----------------|----------------------------|------------------------|
| Benzene | mg/kg (ppm) | 0.5 | 96 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 92 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 97 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 94 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 105 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

602073

M2 2/7/16 v2

SAMPLE CHAIN OF CUSTODY

Send Report To Jsh Bantel, Eric Keller
 Company EPI
 Address 1150 NW Maple St. Ste 310
 City, State, ZIP Issaquah WA 98027
 Phone # _____ Fax # _____
 Email Address _____

| | |
|--|----------------------|
| SAMPLERS (signature) | |
| PROJECT NAME/NO. <u>cle elum MMSO</u> | PO # <u>71201</u> |
| PROJECT ADDRESS <u>I-90 MMSO cle elum, WA</u> | |
| • ELECTRONIC DATA REQUESTED | |

Page # 1 of 3

TURNAROUND TIME

- Standard Turnaround _____
- RUSH _____

Rush charges authorized by: _____

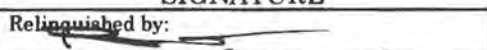

SAMPLE DISPOSAL

- Dispose after 30 days
- Return samples
- Will call with instructions

Samples Received at _____ °C

| Sample ID | Lab ID | Date | Time | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | |
|-----------|--------|--------|------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|------------------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | |
| DP-1:16 | 01A-D | 2/3/16 | 1127 | Soil | 4 VBA | | | | | | | | | | | | | X-pvTB 2/8/16 |
| DP-2:4 | 02A-D | | 0909 | | | | X | X | | | | | | | | | | M2 |
| DP-3:3 | 03A-D | | 0950 | | | | X | X | | | | | | | | | | |
| DP-5:4 | 04A-D | | 1044 | | | | X | X | | | | | | | | | | |
| DP-5:12 | 05A-D | | 1053 | | | | X | X | | | | | | | | | | |
| DP-6:8 | 06A-D | | 1300 | | | | X | X | | | | | | | | | | |
| DP-6:12 | 07A-D | | 1304 | | | | X | X | | | | | | | | | | |
| DP-7:12 | 08A-D | | 1327 | | | | X | X | | | | | | | | | | |
| DP-8:8 | 09A-D | | 1347 | | | | X | X | | | | | | | | | | |
| DP-9:2 | 10A-D | 2/4/16 | 1010 | Soil | 4 VBA | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|--|----------------|---------|--------|---------|
| Relinquished by:  | Bryan Matus | EPI | 2/4/16 | 0420 PM |
| Received by:  | Michael Erdahl | FE Binc | 2/4/16 | ↓ ↓ |
| Relinquished by: | | | | |
| Received by: | | | | |

602073

ME 2/4/16 VS2

SAMPLE CHAIN OF CUSTODY

Send Report To Sarah Beatty, Eric Kober
 Company EPT
 Address 1180 NW Maple St. Ste. 310
 City, State, ZIP Issaquah WA 98027
 Phone # _____ Fax # _____
 Email Address _____

SAMPLERS (signature) _____
 PROJECT NAME/NO. cle Elm MM80 PO # 71201
 PROJECT ADDRESS I-70 MM80 cle Elm WA
 • ELECTRONIC DATA REQUESTED

Page # 2 of 3
TURNAROUND TIME
 • Standard Turnaround _____
 • RUSH _____
 Rush charges authorized by: _____
SAMPLE DISPOSAL
 • Dispose after 30 days
 • Return samples
 • Will call with instructions
 Samples Received at _____ °C

| Sample ID | Lab ID | Date | Time | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | |
|--------------------|------------------|-------------------|-----------------|-----------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|----------------------------------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | |
| DP-9: 2 | 10A-D | 2/4/16 | 1010 | Soil | 4 | | | | | | | | | | | | | Duplicate from pag. 1 |
| DP-9: 12 | 11 12A-D | | 1019 | | | | | | | | | | | | | | | |
| DP-10: 3 | 12 12A-D | | 1039 | | | | | | | | | | | | | | | |
| DP-10: 12 | 13 12A-D | | 1049 | | | | | | | | | | | | | | | |
| DP-11: 2 | 14 12A-D | | 1100 | | | | | | | | | | | | | | | |
| DP-12: 12 | 15 12A-D | | 1141 | | | | | | | | | | | | | | | |
| DP-13: 7 | 16 12A-D | | 1150 | | | | X | X | | | | | | | | | | |
| DP-13: 11 | 12 12A-D | | 1155 | | | | | | | | | | | | | | | |
| DP-14: 4 | 18 12A-D | | 1220 | | | | X | X | | | | | | | | | | |
| DP-14: 12 | 19 20A-D | | 1228 | | | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|------------------------|-----------------------|----------------|---------------|----------------|
| Relinquished by: _____ | <u>Bryana Mors</u> | <u>EPT</u> | <u>2/4/16</u> | <u>0420 AM</u> |
| Received by: _____ | <u>Michael Erdich</u> | <u>FE Binc</u> | <u>2/4/16</u> | <u>6</u> |
| Relinquished by: _____ | | | | |
| Received by: _____ | | | | |

5-2073

M. 2/4/16 vs 3

SAMPLE CHAIN OF CUSTODY

Send Report To Josh Burch, Eric Baker

Company EPT

Address 1180 NW Maple St. Ste. 510

City, State, ZIP Fossayah, WA 98027

Phone # _____ Fax # _____

Email Address _____

| | |
|---|----------------------|
| SAMPLERS (signature) _____ | |
| PROJECT NAME/NO. <u>cle Elan MM 80</u> | PO # <u>71201</u> |
| PROJECT ADDRESS <u>± 90 MM80, cle Elan, WA</u> | |
| • ELECTRONIC DATA REQUESTED | |

Page # 3 of 3

TURNAROUND TIME

- Standard Turnaround _____
- RUSH _____

Rush charges authorized by: _____

SAMPLE DISPOSAL

- Dispose after 30 days
- Return samples
- Will call with instructions

Samples Received at _____ °C

| Sample ID | Lab ID | Date | Time | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | | |
|-------------|--------|--------|------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|-------|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | |
| DP - 15: 8 | 20A-D | 2/4/16 | 1244 | Soil | 4VOC | | X | X | | | | | | | |
| DP - 15: 12 | 21A-D | ↓ | 1248 | ↓ | ↓ | | | | | | | | | | |
| DP - 4: 12 | 22A-D | 2/3/16 | 1023 | Soil | 4VOC | | | | | | | | | | |
| DP - 8: 12 | 23A-D | 2/3/16 | 1356 | ↓ | ↓ | | | | | | | | | | |
| DP - 11: 12 | 24A-D | 2/4/16 | 1115 | ↓ | ↓ | | X | X | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|------------------------|-----------------------|----------------|---------------|---------------|
| Relinquished by: _____ | <u>Bryant</u> | <u>EPT</u> | <u>2/4/16</u> | <u>0420am</u> |
| Received by: _____ | <u>Michael Erdahl</u> | <u>F&B</u> | <u>2/4/16</u> | <u>↓</u> |
| Relinquished by: _____ | | | | |
| Received by: _____ | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Araykina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

February 10, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 602103

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on February 8, 2016 from the 71201, F&BI 602103 project. There are 6 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Charles McFadden, Eric Koltes
EPI0210R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 8, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 602103 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 602103 -01 | MW-6 |
| 602103 -02 | MW-4 |
| 602103 -03 | MW-3 |
| 602103 -04 | W222-S43-20B |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/10/16
Date Received: 02/08/16
Project: 71201, F&BI 602103
Date Extracted: 02/08/16
Date Analyzed: 02/08/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W222-S43-20B 602103-04 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 74 |
| Method Blank 06-219 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 78 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/10/16
Date Received: 02/08/16
Project: 71201, F&BI 602103
Date Extracted: 02/08/16
Date Analyzed: 02/08/16

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 52-124) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| MW-6 602103-01 | <1 | <1 | <1 | <3 | <100 | 93 |
| MW-4 602103-02 | <1 | <1 | <1 | <3 | <100 | 91 |
| MW-3 602103-03 | <1 | <1 | <1 | <3 | <100 | 94 |
| Method Blank 06-218 MB | <1 | <1 | <1 | <3 | <100 | 93 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/10/16
 Date Received: 02/08/16
 Project: 71201, F&BI 602103

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 602100-06 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | mg/kg (ppm) | 0.5 | 96 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 92 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 97 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 94 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 105 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/10/16
 Date Received: 02/08/16
 Project: 71201, F&BI 602103

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
 SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-G_x**

Laboratory Code: 602100-07 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|-----------------|---------------|------------------|----------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | <1 | <1 | nm |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | ug/L (ppb) | 50 | 96 | 65-118 |
| Toluene | ug/L (ppb) | 50 | 96 | 72-122 |
| Ethylbenzene | ug/L (ppb) | 50 | 98 | 73-126 |
| Xylenes | ug/L (ppb) | 150 | 94 | 74-118 |
| Gasoline | ug/L (ppb) | 1,000 | 96 | 69-134 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht - The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

February 10, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 602112

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on February 8, 2016 from the 71201, F&BI 602112 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltes, Charles McFadden
EPI0210R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 8, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 602112 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 602112 -01 | W235-S41-20B |
| 602112 -02 | W235-S41-21B |
| 602112 -03 | W220-S15-3S |
| 602112 -04 | W220-S18-8S |
| 602112 -05 | W220-S20-15S |
| 602112 -06 | W231-S15-3S |
| 602112 -07 | W231-S18-8S |
| 602112 -08 | W231-S20-15S |
| 602112 -09 | W220-S20-12S |
| 602112 -10 | W231-S20-12S |
| 602112 -11 | W205-S41-16S |
| 602112 -12 | W243-S15-3S |
| 602112 -13 | W243-S17-7S |
| 602112 -14 | W242-S19-11S |
| 602112 -15 | W242-S20-15S |
| 602112 -16 | W245-S20-17S |
| 602112 -17 | W228-S28-15C |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/10/16
 Date Received: 02/08/16
 Project: 71201, F&BI 602112
 Date Extracted: 02/08/16
 Date Analyzed: 02/08/16 and 02/09/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| W235-S41-20B 602112-01 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 77 |
| W220-S15-3S 602112-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 77 |
| W220-S18-8S 602112-04 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 79 |
| W220-S20-15S 602112-05 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 79 |
| W231-S15-3S 602112-06 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 73 |
| W231-S18-8S 602112-07 | <0.02 | 0.15 | <0.02 | 0.073 | 2.2 | 74 |
| W231-S20-15S 602112-08 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 70 |
| W220-S20-12S 602112-09 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 71 |
| W231-S20-12S 602112-10 | <0.02 | <0.02 | <0.02 | 0.088 | <2 | 77 |
| W205-S41-16S 602112-11 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 77 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/10/16
 Date Received: 02/08/16
 Project: 71201, F&BI 602112
 Date Extracted: 02/08/16
 Date Analyzed: 02/08/16 and 02/09/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W243-S15-3S 602112-12 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 78 |
| W243-S17-7S 602112-13 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 79 |
| W242-S19-11S 602112-14 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 71 |
| W242-S20-15S 602112-15 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 78 |
| W245-S20-17S 602112-16 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 79 |
| W228-S28-15C 602112-17 1/10 | 0.19 | 13 | 5.3 | 36 | 330 | 75 |
| Method Blank 06-220 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 77 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/10/16
 Date Received: 02/08/16
 Project: 71201, F&BI 602112

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 602112-09 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 93 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 91 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 96 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 94 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 100 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

602112

SAMPLE CHAIN OF CUSTODY

ME02-0816

VS3

Page # 1 of 2

Send Report To Josh Denthal
 Company EPI
 Address 1180 NW Maple St STE 310
 City, State, ZIP Issaquah Wa 98047
 Phone # 425-395-0010 Fax # _____

SAMPLERS (signature) Ch M
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | |
|--------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|-------|------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | |
| W235-541-20B | 01 AD | 2/8/16 | 956 | Soil | 4 | X | X | | | | | | | |
| W235-541-21B | 02 | | 1001 | | | | | | | | | | | Hold |
| W220-515-35 | 03 | | 1110 | | | X | X | | | | | | | |
| W220-518-85 | 04 | | 1116 | | | X | X | | | | | | | |
| W220-520-155 | 05 | | 1120 | | | X | X | | | | | | | |
| W230-515-35 | 06 | | 1133 | | | X | X | | | | | | | |
| W231-518-85 | 07 | | 1138 | | | X | X | | | | | | | |
| W231-520-155 | 08 | | 1141 | | | X | X | | | | | | | |
| W220-520-125 | 09 | | 1200 | | | X | X | | | | | | | |
| W231-520-125 | 10 | | 1207 | | | X | X | | | | | | | |

Samples received at 5 °C

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 93-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|------------------------------|------------------|---------|--------|------|
| Relinquished by: <u>Ch M</u> | Charles McFadden | EPI | 2/8/16 | 1450 |
| Received by: <u>VINH</u> | VINH | FBI | 2/8/16 | 1450 |
| Relinquished by: | | | | |
| Received by: | | | | |

602112

SAMPLE CH N OF CUSTODY MEO2-08-16

VS3

Page # 2 of 2

Send Report To Tosh Bernthal
 Company EPI
 Address 1180 NW Maple St STE 30
 City, State, ZIP Issaquah WA 98027
 Phone # 425-395-0090 Fax # _____

SAMPLERS (signature) [Signature]
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | |
|--------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | |
| W205-541-16s | 11A-D | 2/8/16 | 1220 | Soil | 4 | X | X | | | | | | | |
| W243-515-35 | 12 | | 1320 | | | X | X | | | | | | | |
| W243-517-7s | 13 | | 1323 | | | X | X | | | | | | | |
| W242-519-11s | 14 | | 1327 | | | X | X | | | | | | | |
| W242-520-15s | 15 | | 1331 | | | X | X | | | | | | | |
| W245-520-17s | 16 | | 1340 | | | X | X | | | | | | | |
| W228-528-15c | 17 | | 1417 | | | X | X | | | | | | | |

Samples received at 5 °C

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|-------------------------|------------|---------------|-------------|
| Relinquished by: <u>[Signature]</u> | <u>Charles McFadden</u> | <u>EPI</u> | <u>2/8/16</u> | <u>1450</u> |
| Received by: <u>[Signature]</u> | <u>VINTA</u> | <u>FBI</u> | <u>2/8/16</u> | <u>1457</u> |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

February 15, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 602137

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on February 9, 2016 from the 71201, F&BI 602137 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltas, Charles McFadden
EPI0215R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 9, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 602137 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 602137 -01 | W245-S43-20B |
| 602137 -02 | W219-S62-3s |
| 602137 -03 | W219-S62-8s |
| 602137 -04 | W219-S62-11s |
| 602137 -05 | W216-S60-12s |
| 602137 -06 | W216-S60-16s |
| 602137 -07 | W219-S62-16s |
| 602137 -08 | W219-S60-20B |
| 602137 -09 | W215-S27-13s |
| 602137 -10 | W228-S26-19B |
| 602137 -11 | W213-S51-15s |
| 602137 -12 | W233-S54-3s |
| 602137 -13 | W232-S52-8s |
| 602137 -14 | W232-S50-12s |
| 602137 -15 | W232-S49-17s |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/15/16
 Date Received: 02/09/16
 Project: 71201, F&BI 602137
 Date Extracted: 02/09/16
 Date Analyzed: 02/09/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W245-S43-20B 602137-01 | <0.02 | 0.038 | <0.02 | 0.065 | <2 | 74 |
| W219-S62-3s 602137-02 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 76 |
| W219-S62-8s 602137-03 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 78 |
| W219-S62-11s 602137-04 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 78 |
| W216-S60-12s 602137-05 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 71 |
| W216-S60-16s 602137-06 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 77 |
| W219-S62-16s 602137-07 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 72 |
| W219-S60-20B 602137-08 | <0.02 | 0.048 | <0.02 | 0.12 | <2 | 78 |
| W215-S27-13s 602137-09 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 69 |
| W228-S26-19B 602137-10 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 77 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/15/16
 Date Received: 02/09/16
 Project: 71201, F&BI 602137
 Date Extracted: 02/09/16
 Date Analyzed: 02/09/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Dry Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-150) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| W213-S51-15s 602137-11 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 78 |
| W233-S54-3s 602137-12 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 76 |
| W232-S52-8s 602137-13 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 78 |
| W232-S50-12s 602137-14 | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 72 |
| W232-S49-17s 602137-15 | <0.02 | 0.034 | <0.02 | <0.06 | <2 | 77 |
| Method Blank 06-224 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 77 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/15/16
 Date Received: 02/09/16
 Project: 71201, F&BI 602137

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 602137-02 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 92 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 93 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 97 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 93 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 100 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

602137

SAMPLE CHAIN OF CUSTODY

ME 02-09-16

v63

Send Report To Josh Bernthal
 Company EPI
 Address 1180NW Maple St STE 310
 City, State, ZIP Issaquah WA 98027
 Phone # 425-395-0010 Fax # _____

| | |
|-----------------------------------|-----|
| SAMPLERS (signature) <u>Ch Mc</u> | |
| PROJECT NAME/NO. <u>71201</u> | PO# |
| REMARKS | |

Page # 1 of 2

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | |
|--------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|---------------------------------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | |
| W245-543-20B | 01A-D | 2/9/16 | 828 | Soil | 4 | X | X | | | | | | | | | | | |
| W219-562-35 | 02 | | 1038 | | | X | X | | | | | | | | | | | |
| W219-562-85 | 03 | | 1043 | | | X | X | | | | | | | | | | | |
| W219-562-115 | 04 | | 1044 | | | X | X | | | | | | | | | | | |
| W216-560-125 | 05 | | 1105 | | | X | X | | | | | | | | | | | |
| W216-560-165 | 06 | | 1111 | | | X | X | | | | | | | | | | | |
| W219-562-165 | 07 | | 1123 | | | X | X | | | | | | | | | | | Samples received at <u>3</u> °C |
| W219-560-20B | 08 | | 1131 | | | X | X | | | | | | | | | | | |
| W215-527-135 | 09 | | 1203 | | | X | X | | | | | | | | | | | |
| W228-526-19B | 10 | | 1222 | | | X | X | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 93-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------|-------------------------|------------|---------------|-------------|
| Relinquished by: <u>Ch Mc</u> | <u>Charles McFadden</u> | <u>EPI</u> | <u>2/9/16</u> | <u>1437</u> |
| Received by: <u>Vinh</u> | <u>VINH</u> | <u>FBI</u> | <u>2/9/16</u> | <u>1437</u> |
| Relinquished by: | | | | |
| Received by: | | | | |

6 2137

SAMPLE CH N OF CUSTODY

ME 02-04-16

VS3

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple St STE 310
 City, State, ZIP Issaquah WA 98027
 Phone # 425-395-0010 Fax # _____

| | |
|-----------------------------------|-----|
| SAMPLERS (signature) <u>Ch Mc</u> | |
| PROJECT NAME/NO. <u>71201</u> | PO# |
| REMARKS | |

Page # 2 of 2

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | | | | |
|---------------------------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|--|--|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | | | | |
| W233-551-155 | 0111 | 2/9/16 | 1249 | Soil | 4 | | X | X | | | | | | | | | | | | | |
| W233-554-35 | 0212 | | 1302 | | | | X | X | | | | | | | | | | | | | |
| W232-552-85 | 0313 | | 1307 | | | | X | X | | | | | | | | | | | | | |
| W232-550-125 | 0414 | | 1313 | | | | X | X | | | | | | | | | | | | | |
| W232-549-175 | 0515 | | 1317 | | | | X | X | | | | | | | | | | | | | |
| Samples received at <u>3</u> °C | | | | | | | | | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------|-------------------------|------------|---------------|-------------|
| Relinquished by: <u>Ch Mc</u> | <u>Charles McFadden</u> | <u>EPI</u> | <u>2/9/16</u> | <u>1437</u> |
| Received by: <u>ALM</u> | <u>VINH</u> | <u>FBI</u> | <u>2/9/16</u> | <u>1437</u> |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

February 19, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: Cle Elum MM80 71201, F&BI 602280

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on February 17, 2016 from the Cle Elum MM80 71201, F&BI 602280 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon, Eric Koltes, Bryan Miles
EPI0219R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 17, 2016 by Friedman & Bruya, Inc. from the Environmental Partners Cle Elum MM80 71201, F&BI 602280 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 602280 -01 | MW-7 |
| 602280 -02 | MW-2 |
| 602280 -03 | MW-5 |
| 602280 -04 | MW-8 |
| 602280 -05 | MW-9 |
| 602280 -06 | MW-4 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/19/16
 Date Received: 02/17/16
 Project: Cle Elum MM80 71201, F&BI 602280
 Date Extracted: 02/17/16
 Date Analyzed: 02/17/16 and 02/18/16

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 52-124) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| MW-7 602280-01 | <1 | <1 | <1 | <3 | <100 | 93 |
| MW-2 602280-02 | <1 | 1.7 | <1 | <3 | <100 | 92 |
| MW-5 602280-03 | 120 | 1,300 | 11 | 450 | 5,700 | 93 |
| MW-8 602280-04 | <1 | <1 | <1 | <3 | <100 | 90 |
| MW-9 602280-05 | <1 | <1 | <1 | <3 | <100 | 77 |
| MW-4 602280-06 | <1 | <1 | <1 | <3 | <100 | 77 |
| Method Blank 06-281 MB | <1 | <1 | <1 | <3 | <100 | 89 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/19/16

Date Received: 02/17/16

Project: Cle Elum MM80 71201, F&BI 602280

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 602280-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|-----------------|---------------|------------------|----------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | <1 | <1 | nm |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | ug/L (ppb) | 50 | 95 | 65-118 |
| Toluene | ug/L (ppb) | 50 | 94 | 72-122 |
| Ethylbenzene | ug/L (ppb) | 50 | 97 | 73-126 |
| Xylenes | ug/L (ppb) | 150 | 93 | 74-118 |
| Gasoline | ug/L (ppb) | 1,000 | 102 | 69-134 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

E 2280

SAMPLE CHAIN OF CUSTODY

ME 2/17/16

Page # 1 of 1 VI

Send Report To Josh Beards, Eric Hayes
 Company Environmental Partners, Inc
 Address 1180 NW Maple St Suite 310
 City, State, ZIP Issaquah, WA 98027
 Phone # (425) 395-0010 Fax # (425) 395-0011

SAMPLERS (signature) [Signature]

PROJECT NAME/NO. cle 24m nm80 PO# 71201

REMARKS

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH 24-hour
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | Notes | |
|-----------|------------------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|---------------------------------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | |
| MW-7 | 01 ^{Ac} | 2/16/16 | 1030 | Water | 3 VOA | X | X | | | | | | | |
| MW-2 | 02 | | 1105 | | | X | X | | | | | | | |
| MW-5 | 03 | | 1130 | | | X | X | | | | | | | |
| MW-8 | 04 | | 1250 | | | X | X | | | | | | | |
| MW-9 | 05 | | 1320 | | | X | X | | | | | | | |
| MW-4 | 06 | | 1400 | | | X | X | | | | | | Samples received at <u>4</u> °C | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|---------------------|---------------|----------------|-------------|
| Relinquished by: <u>[Signature]</u> | <u>Bryan Miles</u> | <u>EPI</u> | <u>2/17/16</u> | <u>0930</u> |
| Received by: <u>[Signature]</u> | <u>Michael Edch</u> | <u>FG Bnc</u> | <u> </u> | <u>0920</u> |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Araykina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

February 26, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 602392

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on February 23, 2016 from the 71201, F&BI 602392 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Charles McFadden, Eric Koltjes, Bryan Miles
EPI0226R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on February 23, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 602392 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 602392 -01 | MW-8 |
| 602392 -02 | MW-9 |
| 602392 -03 | MW-10 |
| 602392 -04 | MW-11 |
| 602392 -05 | MW-12 |
| 602392 -06 | MW-6 |
| 602392 -07 | MW-4 |
| 602392 -08 | MW-3 |
| 602392 -09 | MW-1 |
| 602392 -10 | MW-2 |
| 602392 -11 | MW-7 |
| 602392 -12 | MW-5 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/26/16
 Date Received: 02/23/16
 Project: 71201, F&BI 602392
 Date Extracted: 02/24/16
 Date Analyzed: 02/24/16

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 52-124) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| MW-8 602392-01 | <1 | <1 | <1 | <3 | <100 | 90 |
| MW-9 602392-02 | <1 | <1 | <1 | <3 | <100 | 92 |
| MW-10 602392-03 | <1 | <1 | <1 | <3 | <100 | 94 |
| MW-11 602392-04 | <1 | <1 | <1 | <3 | <100 | 90 |
| MW-12 602392-05 | <1 | <1 | <1 | <3 | <100 | 93 |
| MW-6 602392-06 | <1 | <1 | <1 | <3 | <100 | 92 |
| MW-4 602392-07 | <1 | <1 | <1 | <3 | <100 | 95 |
| MW-3 602392-08 | <1 | <1 | <1 | <3 | <100 | 96 |
| MW-1 602392-09 | <1 | <1 | <1 | <3 | <100 | 97 |
| MW-2 602392-10 | <1 | 1.5 | <1 | <3 | <100 | 94 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/26/16
Date Received: 02/23/16
Project: 71201, F&BI 602392
Date Extracted: 02/24/16
Date Analyzed: 02/24/16

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**
Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 52-124) |
|-----------------------------------|----------------|----------------|--------------------------|--------------------------|---------------------------|---|
| MW-7 602392-11 | <1 | <1 | <1 | <3 | <100 | 100 |
| MW-5 602392-12 | <1 | <1 | <1 | <3 | <100 | 98 |
| Method Blank 06-305 MB | <1 | <1 | <1 | <3 | <100 | 90 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 02/26/16

Date Received: 02/23/16

Project: 71201, F&BI 602392

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 602392-01 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|-----------------|---------------|------------------|----------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | <1 | <1 | nm |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | ug/L (ppb) | 50 | 96 | 65-118 |
| Toluene | ug/L (ppb) | 50 | 92 | 72-122 |
| Ethylbenzene | ug/L (ppb) | 50 | 96 | 73-126 |
| Xylenes | ug/L (ppb) | 150 | 92 | 74-118 |
| Gasoline | ug/L (ppb) | 1,000 | 100 | 69-134 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

602392

SAMPLE CHAIN OF CUSTODY

ME 2/23/16 V2

Send Report To Tosh Benthel
 Company EPI
 Address 1180 NW Maple St STE 310
 City, State, ZIP Issaquah WA 98027
 Phone # 425-345-0010 Fax # _____

| | |
|----------------------------------|-----|
| SAMPLERS (signature) <u>U M</u> | |
| PROJECT NAME/NO. <u>71201</u> | PO# |
| REMARKS | |

Page # 1 of 2

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | | |
|-----------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|--|------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | | |
| MW-8 | 02 | 2/22/16 | 1000 | Water | 3 | | X | X | | | | | | | | | | | |
| MW-9 | 02 | | 1026 | | | | X | X | | | | | | | | | | | |
| MW-10 | 03 | | 1103 | | | | X | X | | | | | | | | | | | |
| MW-11 | 04 | | 1133 | | | | X | X | | | | | | | | | | | |
| MW-12 | 05 | | 1203 | | | | X | X | | | | | | | | | | | |
| MW-6 | 06 | 2/23/16 | 817 | | | | X | X | | | | | | | | | | | |
| MW-4 | 07 | | 840 | | | | X | X | | | | | | | | | | | |
| MW-3 | 08 | | 912 | | | | X | X | | | | | | | | | | | 4 °C |
| MW-1 | 09 | | 1016 | | | | X | X | | | | | | | | | | | |
| MW-2 | 10 | | 1048 | | | | X | X | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 93-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|------------------|---------|---------|------|
| Relinquished by: <u>[Signature]</u> | Charles McFadden | EPI | 2/23/16 | 0410 |
| Received by: <u>[Signature]</u> | Michael Erdich | Fluor | 2/23/16 | ↓ |
| Relinquished by: | | | | |
| Received by: | | | | |

6023

SAMPLE CHAIN OF CUSTODY

6023 1/3

Page # 2 of 2

Send Report To Josh Bernthal
Company EPI
Address 1180 NW Maple St STE 310
City, State, ZIP Issaquah WA 98027
Phone # 425-395-040 Fax # _____

| | |
|-----------------------------------|-----|
| SAMPLERS (signature) <u>Ch Mc</u> | |
| PROJECT NAME/NO. <u>71201</u> | PO# |
| REMARKS | |

| | |
|--|--|
| TURNAROUND TIME | |
| <input type="checkbox"/> Standard (2 Weeks) | <input checked="" type="checkbox"/> RUSH |
| Rush charges authorized by _____ | |
| SAMPLE DISPOSAL | |
| <input type="checkbox"/> Dispose after 30 days | <input type="checkbox"/> Return samples |
| <input type="checkbox"/> Will call with instructions | |

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | Notes | |
|-----------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|-------|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | |
| MW-7 | 11A | 2/23/16 | 1111 | water | 3 | X | X | | | | | | | | |
| MW-5 | 12 | 2/23/16 | 1133 | water | 3 | X | X | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

Samples received at 4 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---------------------------------|-------------------------|--------------|----------------|-------------|
| Relinquished by: <u>Ch Mc</u> | <u>Charles McFadden</u> | <u>EPI</u> | <u>2/23/16</u> | <u>0410</u> |
| Received by: <u>[Signature]</u> | <u>Michael Erdahl</u> | <u>Fluor</u> | <u>2/23/16</u> | <u>*</u> |
| Relinquished by: | | | | |
| Received by: | | | | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

March 14, 2016

Josh Bernthal, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 71201, F&BI 603181

Dear Mr. Bernthal:

Included are the results from the testing of material submitted on March 9, 2016 from the 71201, F&BI 603181 project. There are 4 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Eric Koltres, Bryan Miles, Charles McFadden
EPI0314R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on March 9, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 71201, F&BI 603181 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 603181 -01 | DW-1 |
| 603181 -02 | MW-1 |
| 603181 -03 | MW-2 |
| 603181 -04 | MW-12 |
| 603181 -05 | MW-5 |
| 603181 -06 | MW-3 |
| 603181 -07 | MW-6 |
| 603181 -08 | MW-13 |
| 603181 -09 | MW-14 |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/14/16
 Date Received: 03/09/16
 Project: 71201, F&BI 603181
 Date Extracted: 03/10/16
 Date Analyzed: 03/10/16

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported as ug/L (ppb)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 52-124) |
|-----------------------------------|----------------|----------------|----------------------|----------------------|-----------------------|---|
| DW-1 603181-01 | 1.6 | 5.2 | 1.1 | 3.3 | <100 | 87 |
| MW-1 603181-02 | <1 | 1.6 | <1 | <3 | <100 | 87 |
| MW-2 603181-03 | <1 | <1 | <1 | <3 | <100 | 88 |
| MW-12 603181-04 | <1 | <1 | <1 | <3 | <100 | 85 |
| MW-5 603181-05 | <1 | 3.5 | <1 | 3.1 | <100 | 86 |
| MW-3 603181-06 | <1 | <1 | <1 | <3 | <100 | 86 |
| MW-6 603181-07 | <1 | <1 | <1 | <3 | <100 | 88 |
| MW-13 603181-08 | <1 | <1 | <1 | <3 | <100 | 85 |
| MW-14 603181-09 | <1 | <1 | <1 | <3 | <100 | 89 |
| Method Blank 06-429 MB | <1 | <1 | <1 | <3 | <100 | 89 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 03/14/16
 Date Received: 03/09/16
 Project: 71201, F&BI 603181

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
 SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 603181-02 (Duplicate)

| Analyte | Reporting Units | Sample Result | Duplicate Result | RPD (Limit 20) |
|--------------|-----------------|---------------|------------------|----------------|
| Benzene | ug/L (ppb) | <1 | <1 | nm |
| Toluene | ug/L (ppb) | 1.6 | 1.5 | 3 |
| Ethylbenzene | ug/L (ppb) | <1 | <1 | nm |
| Xylenes | ug/L (ppb) | <3 | <3 | nm |
| Gasoline | ug/L (ppb) | <100 | <100 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | |
|--------------|-----------------|-------------|--------------|---------------------|
| | | | Recovery LCS | Acceptance Criteria |
| Benzene | ug/L (ppb) | 50 | 95 | 65-118 |
| Toluene | ug/L (ppb) | 50 | 91 | 72-122 |
| Ethylbenzene | ug/L (ppb) | 50 | 93 | 73-126 |
| Xylenes | ug/L (ppb) | 150 | 89 | 74-118 |
| Gasoline | ug/L (ppb) | 1,000 | 96 | 69-134 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

60. 81

SAMPLE CF N OF CUSTODY

ME 03/01 '16

v2

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple St STE 310
 City, State, ZIP Issaquah, WA, 98027
 Phone # 425-395-0010 Fax # _____

SAMPLERS (signature) [Signature]
 PROJECT NAME/NO. 71201 PO# _____
 REMARKS _____

Page # 1 of 1
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH
 Rush charges authorized by _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | | | | | Notes | | | | |
|-----------|-------------------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|--|--|--|--|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | | | | | | | | | |
| DW-1 | 01 ^{1/2} | 3/8/16 | 1405 | Water | 3 | X | X | | | | | | | | | | | | | |
| MW-1 | 02 | 3/9/16 | 848 | | | X | X | | | | | | | | | | | | | |
| MW-2 | 03 | | 917 | | | X | X | | | | | | | | | | | | | |
| MW-12 | 04 | | 945 | | | X | X | | | | | | | | | | | | | |
| MW-5 | 05 | | 1010 | | | X | X | | | | | | | | | | | | | |
| MW-3 | 06 | | 1043 | | | X | X | | | | | | | | | | | | | |
| MW-6 | 07 | | 1205 | | | X | X | | | | | | | | | | | | | |
| MW-13 | 08 | | 1231 | | | X | X | | | | | | | | | | | | | |
| MW-14 | 09 ^{1/2} | ↓ | 1317 | ↓ | ↓ | X | X | | | | | | | | | | | | | |

Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044
 FORMS\COC\COC.DOC

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|-------------------------------------|----------------|---------|---------------------------------|------|
| Relinquished by: <u>[Signature]</u> | Angie Lake | EPI | 3/9/16 | 4:34 |
| Received by: <u>[Signature]</u> | Michael Erdahl | TRBnc | 3/9/16 | 4:34 |
| Relinquished by: | | | | |
| Received by: | | | | |
| | | | Samples received at <u>4</u> °C | |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

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Seattle, WA 98119-2029
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fbi@isomedia.com
www.friedmanandbruya.com

June 3, 2016

Eric Koltes, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 72101, F&BI 605415

Dear Mr. Koltes:

Included is the amended report from the testing of material submitted on May 24, 2016 from the 72101, F&BI 605415 project. Per your request, the trihalomethanes in water were reported to 0.5 ug/L.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Josh Bernthal, Charles McFadden
EPI0602R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

June 2, 2016

Eric Koltes, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: 72101, F&BI 605415

Dear Mr. Koltes:

Included are the results from the testing of material submitted on May 24, 2016 from the 72101, F&BI 605415 project. There are 11 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures

c: Cynthia Moon, Josh Bernthal, Charles McFadden
EPI0602R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 24, 2016 by Friedman & Bruya, Inc. from the Environmental Partners 72101, F&BI 605415 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|-------------------------------|
| 605415-01 | MW-1 |
| 605415-02 | MW-2 |
| 605415-03 | MW-3 |
| 605415-04 | MW-4 |
| 605415-05 | STEMILT-MW-6 |
| 605415-06 | Pb-1 |

Samples MW-1, MW-2, MW-3, MW-4, and Pb-1 were sent to Amtest for methanol, haloacetic acid, bromate, and bromide analysis. The report is enclosed.

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

| | | | |
|-------------------|------------------------|-------------|------------------------|
| Client Sample ID: | Pb-1 | Client: | Environmental Partners |
| Date Received: | 05/24/16 | Project: | 72101, F&BI 605415 |
| Date Extracted: | 05/24/16 | Lab ID: | 605415-06 |
| Date Analyzed: | 05/24/16 | Data File: | 052418.D |
| Matrix: | Soil | Instrument: | GCMS9 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 102 | 89 | 113 |
| Toluene-d8 | 100 | 64 | 137 |
| 4-Bromofluorobenzene | 97 | 81 | 119 |

| Compounds: | Concentration mg/kg (ppm) |
|----------------------|------------------------------|
| Bromodichloromethane | <0.05 |
| Bromoform | <0.05 |
| Bromomethane | <0.5 |
| Dibromochloromethane | <0.05 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

| | | | |
|-------------------|------------------------|-------------|------------------------|
| Client Sample ID: | Method Blank | Client: | Environmental Partners |
| Date Received: | Not Applicable | Project: | 72101, F&BI 605415 |
| Date Extracted: | 05/24/16 | Lab ID: | 06-1026 mb2 |
| Date Analyzed: | 05/24/16 | Data File: | 052405.D |
| Matrix: | Soil | Instrument: | GCMS9 |
| Units: | mg/kg (ppm) Dry Weight | Operator: | JS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 103 | 89 | 113 |
| Toluene-d8 | 98 | 64 | 137 |
| 4-Bromofluorobenzene | 97 | 81 | 119 |

| Compounds: | Concentration mg/kg (ppm) |
|----------------------|------------------------------|
| Bromodichloromethane | <0.05 |
| Bromoform | <0.05 |
| Bromomethane | <0.5 |
| Dibromochloromethane | <0.05 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

| | | | |
|-------------------|------------|-------------|------------------------|
| Client Sample ID: | MW-1 | Client: | Environmental Partners |
| Date Received: | 05/24/16 | Project: | 72101, F&BI 605415 |
| Date Extracted: | 05/24/16 | Lab ID: | 605415-01 |
| Date Analyzed: | 05/24/16 | Data File: | 052410.D |
| Matrix: | Water | Instrument: | GCMS4 |
| Units: | ug/L (ppb) | Operator: | JS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|-----------------|-----------------|
| 1,2-Dichloroethane-d4 | 102 | 57 | 121 |
| Toluene-d8 | 104 | 63 | 127 |
| 4-Bromofluorobenzene | 107 | 60 | 133 |

| Compounds: | Concentration ug/L (ppb) |
|----------------------|-----------------------------|
| Bromodichloromethane | <0.5 |
| Bromoform | <0.5 |
| Bromomethane | <0.5 |
| Dibromochloromethane | <0.5 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

| | | | |
|-------------------|------------|-------------|------------------------|
| Client Sample ID: | MW-4 | Client: | Environmental Partners |
| Date Received: | 05/24/16 | Project: | 72101, F&BI 605415 |
| Date Extracted: | 05/24/16 | Lab ID: | 605415-04 |
| Date Analyzed: | 05/24/16 | Data File: | 052413.D |
| Matrix: | Water | Instrument: | GCMS4 |
| Units: | ug/L (ppb) | Operator: | JS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 99 | 57 | 121 |
| Toluene-d8 | 104 | 63 | 127 |
| 4-Bromofluorobenzene | 105 | 60 | 133 |

| Compounds: | Concentration ug/L (ppb) |
|----------------------|-----------------------------|
| Bromodichloromethane | <0.5 |
| Bromoform | <0.5 |
| Bromomethane | <0.5 |
| Dibromochloromethane | <0.5 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

| | | | |
|-------------------|----------------|-------------|------------------------|
| Client Sample ID: | Method Blank | Client: | Environmental Partners |
| Date Received: | Not Applicable | Project: | 72101, F&BI 605415 |
| Date Extracted: | 05/24/16 | Lab ID: | 06-1027 mb |
| Date Analyzed: | 05/24/16 | Data File: | 052408.D |
| Matrix: | Water | Instrument: | GCMS4 |
| Units: | ug/L (ppb) | Operator: | JS |

| Surrogates: | % Recovery: | Lower Limit: | Upper Limit: |
|-----------------------|-------------|--------------|--------------|
| 1,2-Dichloroethane-d4 | 100 | 57 | 121 |
| Toluene-d8 | 104 | 63 | 127 |
| 4-Bromofluorobenzene | 104 | 60 | 133 |

| Compounds: | Concentration ug/L (ppb) |
|----------------------|-----------------------------|
| Bromodichloromethane | <0.5 |
| Bromoform | <0.5 |
| Bromomethane | <0.5 |
| Dibromochloromethane | <0.5 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/02/16
 Date Received: 05/24/16
 Project: 72101, F&BI 605415

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR VOLATILES BY EPA METHOD 8260C**

Laboratory Code: 605414-02 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result (Wet wt) | Percent Recovery MS | Percent Recovery MSD | Acceptance Criteria | RPD (Limit 20) |
|----------------------|-----------------|-------------|------------------------|---------------------|----------------------|---------------------|----------------|
| Bromomethane | mg/kg (ppm) | 2.5 | <0.5 | 88 | 85 | 10-110 | 3 |
| Bromodichloromethane | mg/kg (ppm) | 2.5 | <0.05 | 96 | 98 | 31-131 | 2 |
| Dibromochloromethane | mg/kg (ppm) | 2.5 | <0.05 | 98 | 102 | 32-143 | 4 |
| Bromoform | mg/kg (ppm) | 2.5 | <0.05 | 87 | 93 | 18-155 | 7 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|----------------------|-----------------|-------------|----------------------|---------------------|
| Bromomethane | mg/kg (ppm) | 2.5 | 109 | 46-113 |
| Bromodichloromethane | mg/kg (ppm) | 2.5 | 107 | 75-126 |
| Dibromochloromethane | mg/kg (ppm) | 2.5 | 109 | 64-152 |
| Bromoform | mg/kg (ppm) | 2.5 | 97 | 50-174 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/02/16
 Date Received: 05/24/16
 Project: 72101, F&BI 605415

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
 SAMPLES FOR VOLATILES BY EPA METHOD 8260C**

Laboratory Code: 605426-01 (Matrix Spike)

| Analyte | Reporting Units | Spike Level | Sample Result | Percent | |
|----------------------|--------------------|----------------|------------------|----------------|------------------------|
| | | | | Recovery MS | Acceptance Criteria |
| Bromomethane | ug/L (ppb) | 50 | <0.5 | 118 | 47-169 |
| Bromodichloromethane | ug/L (ppb) | 50 | <0.5 | 103 | 61-150 |
| Dibromochloromethane | ug/L (ppb) | 50 | <0.5 | 102 | 70-139 |
| Bromoform | ug/L (ppb) | 50 | <0.5 | 91 | 65-142 |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent | | Acceptance Criteria | RPD (Limit 20) |
|----------------------|--------------------|----------------|-----------------|------------------|------------------------|-------------------|
| | | | Recovery LCS | Recovery LCSD | | |
| Bromomethane | ug/L (ppb) | 50 | 113 | 116 | 55-143 | 3 |
| Bromodichloromethane | ug/L (ppb) | 50 | 101 | 104 | 81-133 | 3 |
| Dibromochloromethane | ug/L (ppb) | 50 | 104 | 104 | 84-133 | 0 |
| Bromoform | ug/L (ppb) | 50 | 94 | 94 | 74-136 | 0 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

June 9, 2016

Eric Koltes, Project Manager
Environmental Partners, Inc.
1180 NW Maple St, Suite 310
Issaquah, WA 98027

RE: Worm Tissue, F&BI 606012

Dear Mr. Koltes:

Included are the results from the testing of material submitted on June 1, 2016 from the Worm Tissue, F&BI 606012 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Cynthia Moon
EPI0609R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on June 1, 2016 by Friedman & Bruya, Inc. from the Environmental Partners Worm Tissue, F&BI 606012 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>Environmental Partners</u> |
|----------------------|----------------------------------|
| 606012-01 | Worm tissue- Control Replicate A |
| 606012-02 | Worm tissue- Control Replicate B |
| 606012-03 | Worm tissue- Control Replicate C |
| 606012-04 | Worm tissue- 50% Replicate A |
| 606012-05 | Worm tissue- 50% Replicate B |
| 606012-06 | Worm tissue- 50% Replicate C |
| 606012-07 | Worm tissue- 100% Replicate A |
| 606012-08 | Worm tissue- 100% Replicate B |
| 606012-09 | Worm tissue- 100% Replicate C |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/09/16
 Date Received: 06/01/16
 Project: Worm Tissue, F&BI 606012
 Date Extracted: 06/02/16
 Date Analyzed: 06/02/16

**RESULTS FROM THE ANALYSIS OF SOIL/SOLID SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Wet Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-132) |
|--|----------------|----------------|----------------------|----------------------|-----------------------|---|
| Worm tissue- Control Replicate A 606012-01 1/5 | <0.1 | <0.1 | <0.1 | <0.3 | <10 | 95 |
| Worm tissue- Control Replicate B 606012-02 1/5 | <0.1 | <0.1 | <0.1 | <0.3 | <10 | 94 |
| Worm tissue- Control Replicate C 606012-03 1/5 | <0.1 | <0.1 | <0.1 | <0.3 | <10 | 94 |
| Worm tissue- 50% Replicate A 606012-04 1/5 | <0.1 | <0.1 | <0.1 | <0.3 | <10 | 94 |
| Worm tissue- 50% Replicate B 606012-05 1/5 | <0.1 | <0.1 | <0.1 | <0.3 | <10 | 97 |
| Worm tissue- 50% Replicate C 606012-06 1/5 | <0.1 | <0.1 | <0.1 | <0.3 | <10 | 99 |
| Worm tissue- 100% Replicate A 606012-07 1/10 | <0.2 | <0.2 | <0.2 | <0.6 | <20 | 94 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/09/16
 Date Received: 06/01/16
 Project: Worm Tissue, F&BI 606012
 Date Extracted: 06/02/16
 Date Analyzed: 06/02/16

**RESULTS FROM THE ANALYSIS OF SOIL/SOLID SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES AND TPH AS GASOLINE
 USING METHODS 8021B AND NWTPH-Gx**
 Results Reported on a Wet Weight Basis
 Results Reported as mg/kg (ppm)

| <u>Sample ID</u> Laboratory ID | <u>Benzene</u> | <u>Toluene</u> | <u>Ethyl Benzene</u> | <u>Total Xylenes</u> | <u>Gasoline Range</u> | <u>Surrogate (% Recovery)</u> (Limit 50-132) |
|--|----------------|----------------|----------------------|----------------------|-----------------------|---|
| Worm tissue- 100% Replicate B 606012-08 1/10 | <0.2 | <0.2 | <0.2 | <0.6 | <20 | 95 |
| Worm tissue- 100% Replicate C 606012-09 1/10 | <0.2 | <0.2 | <0.2 | <0.6 | <20 | 94 |
| Method Blank 06-1071 MB | <0.02 | <0.02 | <0.02 | <0.06 | <2 | 81 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/09/16
 Date Received: 06/01/16
 Project: Worm Tissue, F&BI 606012

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
 FOR BENZENE, TOLUENE, ETHYLBENZENE,
 XYLENES, AND TPH AS GASOLINE
 USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 606016-01 (Duplicate)

| Analyte | Reporting Units | Sample Result (Wet Wt) | Duplicate Result (Wet Wt) | RPD (Limit 20) |
|--------------|-----------------|------------------------|---------------------------|----------------|
| Benzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Toluene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Ethylbenzene | mg/kg (ppm) | <0.02 | <0.02 | nm |
| Xylenes | mg/kg (ppm) | <0.06 | <0.06 | nm |
| Gasoline | mg/kg (ppm) | <2 | <2 | nm |

Laboratory Code: Laboratory Control Sample

| Analyte | Reporting Units | Spike Level | Percent Recovery LCS | Acceptance Criteria |
|--------------|-----------------|-------------|----------------------|---------------------|
| Benzene | mg/kg (ppm) | 0.5 | 94 | 69-120 |
| Toluene | mg/kg (ppm) | 0.5 | 99 | 70-117 |
| Ethylbenzene | mg/kg (ppm) | 0.5 | 102 | 65-123 |
| Xylenes | mg/kg (ppm) | 1.5 | 101 | 66-120 |
| Gasoline | mg/kg (ppm) | 20 | 95 | 71-131 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The compound is a common laboratory and field contaminant.
- hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.
- hs - Headspace was present in the container used for analysis.
- ht - The analysis was performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.
- J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.
- jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.
- js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.
- lc - The presence of the analyte is likely due to laboratory contamination.
- L - The reported concentration was generated from a library search.
- nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.
- pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.
- ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.
- vo - The value reported fell outside the control limits established for this analyte.
- x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

606012

ME 06-01-46

929

Chain of Custody Record

| Client Contact | | Analysis Turnaround Time | | | | | Preservation Used | | | | | | For Lab Use Only: | | | |
|--|--------|--|-------------|---|---------------------------|------------------|---|--|--|--|--|--|--|---------|------------------------|--|
| Project Name: Environmental Partners | | TAT is Calendar days | | | | | Analysis Requested | | | | | | SDG: _____ | | | |
| Project # or PO #: | | TAT if different from below | | | | | | | | | | | Custody Seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Company Name: | | <input type="checkbox"/> 21 days (STD) | | | | | TPH C-1/10/16 per BK G/1/16/16 | | | | | | Hand delivered? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Address: | | <input type="checkbox"/> 14 days * <input type="checkbox"/> 3 day * <input type="checkbox"/> 7 days * <input type="checkbox"/> 2 days * <input type="checkbox"/> 5 days * <input type="checkbox"/> 1 day * | | | | | | | | | | | Cooler Temp: _____ °C | | | |
| City/State/Zip: | | * (Surcharges will apply) | | | | | | | | | | | Therm ID No.: _____ Therm Exp. _____ | | | |
| Project Manager: | | | | | | | | | | | | | Packing Material: Circle Below | | | |
| Phone #: | | | | | | | | | | | | | Ice Blue Ice Box Bubble Wrap | | | |
| Report to email: | | | | | | | | | | | | | Radiological Screen? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Sample Identification (Limit of 20 characters) | Lab ID | Sample Date | Sample Time | Sample Type (C-Comp, G-Gra) | Matrix (Water, Soil, Air) | Total # of Cont. | | | | | | | Sample Specific Notes: | Lab ID: | | |
| Worm tissue - Control Replicate A | 01 | 5/27/2016 | | | WORM TISSUE | 1 | x | | | | | | | | Wt of contents: 12.9 g | |
| Worm tissue - Control Replicate B | 02 | 5/27/2016 | | | | 1 | x | | | | | | | | Wt of contents: 11.5 g | |
| Worm tissue - Control Replicate C | 03 | 5/27/2016 | | | | 1 | x | | | | | | | | Wt of contents: 11.8 g | |
| Worm tissue - 50% Replicate A | 04 | 5/27/2016 | | | | 1 | x | | | | | | | | Wt of contents: 15.6 g | |
| Worm tissue - 50% Replicate B | 05 | 5/27/2016 | | | | 1 | x | | | | | | | | Wt of contents: 13.0 g | |
| Worm tissue - 50% Replicate C | 06 | 5/27/2016 | | | | 1 | x | | | | | | | | Wt of contents: 10.9 g | |
| Worm tissue - 100% Replicate A | 07 | 5/27/2016 | | | | 1 | x | | | | | | | | Wt of contents: 9.7 g | |
| Worm tissue - 100% Replicate B | 08 | 5/27/2016 | | | | 1 | x | | | | | | | | Wt of contents: 11.6 g | |
| Worm tissue - 100% Replicate C | 09 | 5/27/2016 | | | | 1 | x | | | | | | | | Wt of contents: 8.1 g | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ | | | | | | | | | | | | | | | | |
| Possible Hazard Identification: | | | | | | | Sample Disposal (A fee may be added if samples are retained longer than 30 day per client request, samples are returned to client, or classified as hazardous.) | | | | | | | | | |
| Are samples hazardous? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | | | | | | | | | | |
| If yes, select hazard(s): <input type="checkbox"/> Listed <input type="checkbox"/> Ignitable <input type="checkbox"/> Corrosive <input type="checkbox"/> Reactive <input type="checkbox"/> Toxic | | | | | | | | | | | | | | | | |
| If YES or NO is not checked above, samples will be assumed hazardous and hazardous disposal fees will be applied. | | | | | | | <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for _____ months | | | | | | | | | |
| Sampled by: <u>[Signature]</u> | | Date/Time: <u>5/27/16 12:00</u> | | Relinquished by: <u>[Signature]</u> | | | Date/Time: <u>5/27/16 10:45</u> | | | | | | | | | |
| Received by: <u>[Signature]</u> | | Date/Time: _____ | | Relinquished by: _____ | | | Date/Time: _____ | | | | | | | | | |
| Received in Laboratory by: <u>[Signature]</u> | | Date/Time: <u>06-01-16 12:40</u> | | Shipped Via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> Fed-Ex <input type="checkbox"/> USPS <input type="checkbox"/> Other | | | Tracking #: _____ | | | | | | | | | |
| Special Instructions/RC Requirements | | | | | | | Samples received at <u>5</u> °C | | | | | | | | | |



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

February 16, 2016

Josh Burnthal
Environmental Partners, Inc.
1180 NW Maple Street, Suite 310
Issaquah, WA 98027

Dear Mr. Burnthal:

Please find enclosed the analytical data report for the Cle Elum Project located in Cle Elum, Washington.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. The sample(s) will be disposed of in 30 days unless we are contacted to arrange long term storage.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
Senior Chemist
Libby Environmental, Inc.

Libby Environmental, Inc.

Chain of Custody Record

www.LibbyEnvironmental.com

4139 Libby Road NE
 Olympia, WA 98506
 Ph: 360-352-2110
 Fax: 360-352-4154

Date: 2/3/16 Page: 1 of 1

Client: EPI

Project Manager: Josh Buntal

Address: 1180 NW Maple St. Ste. 210

Project Name: Cle Elum mm 80

City: Issaquah State: WA Zip: 98027

Location: ~~Cle Elum mm 80~~ mm 80 190 City, State: Cle Elum

Phone: _____ Fax: _____

Collector: Joe Sherrod Date of Collection: 2/3/16

Client Project # 71201

Email: Joshb@Epi-wa.com, Bryanm@Epi-wa.com



| Sample Number | Depth | Time | Sample Type | Container Type | Analytes | | | | | | | | | | Field Notes | | | |
|---------------|-------|------|-------------|----------------|----------|----------|-----------|------------|----------|------------|---------------|----------|---------------|---------------|-------------|--|--|--|
| | | | | | VOC 8260 | NWTPH-Gx | BTEX 8021 | NWTPH-HCID | NWTPH-Dx | c PAH 8270 | Semi Vol 8270 | PCB 8082 | MTCA 5 Metals | RCRA 8 Metals | | | | |
| 1 DP-1:4 | 4 | 0840 | Soil | VOA | X | X | | | | | | | | | | | | |
| 2 DP-1:7 | 7 | 0844 | | | X | X | | | | | | | | | | | | |
| 3 DP-1:12 | 12 | 0855 | | | X | X | | | | | | | | | | | | |
| 4 DP-2:8 | 8 | 0921 | | | X | X | | | | | | | | | | | | |
| 5 DP-2:11.5 | 11.5 | 0929 | | | X | X | | | | | | | | | | | | |
| 6 DP-3:8 | 8 | 0953 | | | X | X | | | | | | | | | | | | |
| 7 DP-3:12 | 12 | 0956 | | | X | X | | | | | | | | | | | | |
| 8 DP-4:4 | 4 | 1014 | | | X | X | | | | | | | | | | | | |
| 9 DP-4:8 | 8 | 1021 | | | X | X | | | | | | | | | | | | |
| 10 DP-5:8 | 8 | 1048 | | | X | X | | | | | | | | | | | | |
| 11 DP-1:14 | 14 | 1126 | | | X | X | | | | | | | | | | | | |
| 12 DP-6:4 | 4 | 1256 | | | X | X | | | | | | | | | | | | |
| 13 DP-7:4 | 4 | 1316 | | | X | X | | | | | | | | | | | | |
| 14 DP-8:4 | 4 | 1344 | | | X | X | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | |

| | | | | | |
|------------------|-------------|--------------|-------------|---|---|
| Relinquished by: | Date / Time | Received by: | Date / Time | Sample Receipt Good Condition? Y N Temp. °C Seals Intact? Y N N/A Total Number of Containers | Remarks: <div style="font-size: 2em; text-align: center;">ML</div> |
| Joe Sherrod | 2/3/16/1400 | Paul Buntal | 2/3/16 1400 | | |
| Relinquished by: | Date / Time | Received by: | Date / Time | | |
| Relinquished by: | Date / Time | Received by: | Date / Time | | |

Libby Environmental, Inc.

4139 Libby Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@aol.com

CLE ELUM MM 80 PROJECT

Environmental Partners, Inc.

Cle Elum, Washington

Libby Project # L160203-40

Client Project # 71201

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260C) in Soil

| Sample Number | Date Analyzed | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylenes (mg/kg) | Gasoline (mg/kg) | Surrogate Recovery (%) |
|------------------------------|---------------|-----------------|-----------------|----------------------|-----------------|------------------|------------------------|
| Method Blank | 2/3/16 | nd | nd | nd | nd | nd | 86 |
| LCS | 2/3/16 | 127% | 123% | | | | 89 |
| DP-1:4 | 2/3/16 | 6.2 | 210 E | 75.8 | 431 | 3150 | 87 |
| DP-1:7 | 2/3/16 | 0.025 | 0.16 | nd | nd | nd | 92 |
| DP-1:7 Dup | 2/3/16 | 0.025 | 0.17 | nd | 0.15 | nd | 93 |
| DP-1:12 | 2/3/16 | 0.070 | 0.30 | nd | 0.19 | nd | 87 |
| DP-2:8 | 2/3/16 | 0.28 | 11.1 | 4.3 | 24.6 | 183 | 89 |
| DP-2:11.5 | 2/3/16 | nd | 0.23 | nd | 0.15 | nd | 89 |
| DP-3:8 | 2/3/16 | 0.14 | 6.7 | 3.0 | 17.5 | 157 | 91 |
| DP-3:12 | 2/3/16 | nd | nd | nd | nd | nd | 89 |
| DP-4:4 | 2/3/16 | 1.8 | 76.3 | 30.0 | 174 | 1530 | 90 |
| DP-4:8 | 2/3/16 | nd | nd | nd | nd | nd | 94 |
| DP-5:8 | 2/3/16 | nd | nd | nd | nd | nd | 95 |
| DP-5:8 Dup | 2/3/16 | nd | nd | nd | nd | nd | 92 |
| DP-1:14 | 2/3/16 | nd | nd | nd | nd | nd | 94 |
| DP-6:4 | 2/3/16 | nd | nd | nd | 0.23 | nd | 94 |
| DP-7:4 | 2/3/16 | nd | nd | nd | 0.43 | nd | 94 |
| DP-3:12 MS | 2/3/16 | 106% | 122% | | | | 92 |
| DP-3:12 MSD | 2/3/16 | 107% | 106% | | | | 95 |
| Practical Quantitation Limit | | 0.02 | 0.10 | 0.05 | 0.15 | 10 | |

"E" Indicates the reported result is an estimate because it exceeds the calibration range.

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

February 16, 2016

Josh Burnthal
Environmental Partners, Inc.
1180 NW Maple Street, Suite 310
Issaquah, WA 98027

Dear Mr. Burnthal:

Please find enclosed the analytical data report for the Cle Elum Project located in Cle Elum, Washington.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. The sample(s) will be disposed of in 30 days unless we are contacted to arrange long term storage.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
Senior Chemist
Libby Environmental, Inc.

Libby Environmental, Inc.

Chain of Custody Record

www.LibbyEnvironmental.com

4139 Libby Road NE
Olympia, WA 98506
Ph: 360-352-2110
Fax: 360-352-4154

Date: 2/4/16 Page: 1 of 1

Client: EPI

Project Manager: Josh Bernthal

Address: 1180 NW Mark St Ste. 310

Project Name: Cle Elum MM 80

City: Issaquah State: WA Zip: 98027

Location: I 90 MM 80 City, State: Cle Elum, WA

Phone: _____ Fax: _____

Collector: J. Sherrad Date of Collection: 2/3-2/4/16

Client Project # 71201

Email: JoshB@EPI-WA.COM



| Sample Number | Depth | Time | Sample Type | Container Type | Analytes | | | | | | | | | | | Field Notes | | | |
|---------------|-------|------|-------------|----------------|----------|----------|-----------|------------|----------|-------------|----------|---------------|----------|---------------|---------------|-------------|--|--|-------------------|
| | | | | | VOC 8260 | NWTPH-Gx | BTEX 8021 | NWTPH-HCID | NWTPH-Dx | c PAH-Dx/Dx | PAH 8270 | Semi Vol 8270 | PCB 8082 | MTCA 6 Metals | RCRA 8 Metals | | | | |
| 1 DP-7:8 | 8 | 1323 | Soil | 4 VOA | X | X | | | | | | | | | | | | | collected 2/3/16 |
| 2 DP-8:4 | 4 | 1341 | Soil | 4 + | X | X | | | | | | | | | | | | | |
| 3 DP-9:4 | 4 | 1013 | Soil | 2 VOA | X | X | | | | | | | | | | | | | 2/3/16 |
| 4 DP-9:7.5 | 7.5 | 1010 | Soil | 4 VOA | X | X | | | | | | | | | | | | | |
| 5 DP-10:8 | 8 | 1046 | Soil | 4 VOA | X | X | | | | | | | | | | | | | |
| 6 DP-10:4 | 4 | 1043 | Soil | 4 VOA | X | X | | | | | | | | | | | | | |
| 7 DP-11:4 | 4 | 1106 | Soil | 4 VOA | X | X | | | | | | | | | | | | | |
| 8 DP-11:8 | 8 | 1111 | Soil | 4 VOA | X | X | | | | | | | | | | | | | |
| 9 DP-12:3 | 3 | 1132 | Soil | 4 VOA | X | X | | | | | | | | | | | | | |
| 10 DP-12:4.5 | 4.5 | 1135 | Soil | 4 VOA | X | X | | | | | | | | | | | | | |
| 11 DP-12:8 | 8 | 1138 | Soil | 4 VOA | X | X | | | | | | | | | | | | | |
| 12 DP-13:2 | 2 | 1147 | Soil | 4 VOA | X | X | | | | | | | | | | | | | |
| 13 DP-13:4 | 4 | 1148 | Soil | 4 VOA | X | X | | | | | | | | | | | | | |
| 14 DP-14:8 | 8 | 1240 | Soil | 4 VOA | X | X | | | | | | | | | | | | | |
| 15 DP-15:4 | 4 | 1246 | Soil | 4 VOA | X | X | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|-------------------------------------|----------------------------------|-----------------------------------|----------------------------------|--|---------------------------|
| Relinquished by: <u>Joe Sherrad</u> | Date / Time: <u>2/4/16 13:28</u> | Received by: <u>Paul Bernthal</u> | Date / Time: <u>2/4/16 13:25</u> | Sample Receipt Good Condition? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Temp. _____ °C Seals Intact? <input type="checkbox"/> Y <input type="checkbox"/> N <input checked="" type="checkbox"/> N/A Total Number of Containers _____ TAT: <input type="checkbox"/> 24HR <input type="checkbox"/> 3HR <input type="checkbox"/> 5-DAY | Remarks: <u>ML</u> |
| Relinquished by: _____ | Date / Time: _____ | Received by: _____ | Date / Time: _____ | | |
| Relinquished by: _____ | Date / Time: _____ | Received by: _____ | Date / Time: _____ | | |
| Relinquished by: _____ | Date / Time: _____ | Received by: _____ | Date / Time: _____ | | |

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@aol.com

CLE ELUM MM 80 PROJECT
Environmental Partners, Inc.
Cle Elum, Washington
Libby Project # L160204-40
Client Project # 71201

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260C) in Soil

| Sample Number | Date Analyzed | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylenes (mg/kg) | Gasoline (mg/kg) | Surrogate Recovery (%) |
|------------------------------|---------------|-----------------|-----------------|----------------------|-----------------|------------------|------------------------|
| Method Blank | 2/4/16 | nd | nd | nd | nd | nd | 86 |
| LCS | 2/4/16 | 109% | 96% | | | | 87 |
| DP-7:8 | 2/4/16 | nd | nd | nd | nd | nd | 85 |
| DP-8:4 | 2/4/16 | nd | nd | nd | 0.60 | nd | 95 |
| DP-8:4 Dup | 2/4/16 | nd | nd | nd | 0.18 | nd | 94 |
| DP-9:4 | 2/4/16 | 2.75 | 98 E | 31.8 | 173 E | 1170 E | 101 |
| DP-9:7.5 | 2/4/16 | nd | nd | nd | nd | nd | 92 |
| DP-10:8 | 2/4/16 | nd | nd | nd | nd | nd | 94 |
| DP-10:4 | 2/4/16 | 4.2 | 96 E | 27.5 | 151 | 1300 E | 95 |
| DP-11:4 | 2/4/16 | 0.26 | 4.7 | 1.3 | 6.9 | 72 | 95 |
| DP-11:8 | 2/4/16 | 0.15 | 3.2 | 0.89 | 4.9 | 40 | 92 |
| DP-12:3 | 2/4/16 | 0.087 | 1.8 | 0.49 | 2.6 | 20 | 102 |
| DP-12:4.5 | 2/4/16 | 0.16 | 4.3 | 1.5 | 8.3 | 73 | 94 |
| DP-12:8 | 2/4/16 | nd | nd | nd | 0.16 | nd | 93 |
| DP-12:8 Dup | 2/4/16 | nd | nd | nd | nd | nd | 96 |
| DP-13:2 | 2/4/16 | nd | nd | nd | nd | nd | 92 |
| DP-13:4 | 2/4/16 | nd | 0.13 | nd | nd | nd | 89 |
| DP-14:8 | 2/4/16 | nd | nd | nd | nd | nd | 92 |
| DP-15:4 | 2/4/16 | nd | nd | nd | nd | nd | 90 |
| DP-7:8 MS | 2/4/16 | 110% | 97% | | | | 81 |
| DP-7:8 MSD | 2/4/16 | 105% | 93% | | | | 84 |
| Practical Quantitation Limit | | 0.02 | 0.10 | 0.05 | 0.15 | 10 | |

"E" Indicates the reported result is an estimate because it exceeds the calibration range.

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

February 16, 2016

Josh Burnthal
Environmental Partners, Inc.
1180 NW Maple Street, Suite 310
Issaquah, WA 98027

Dear Mr. Burnthal:

Please find enclosed the analytical data report for the Cle Elum Project located in Cle Elum, Washington.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. The sample(s) will be disposed of in 30 days unless we are contacted to arrange long term storage.


Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
Senior Chemist
Libby Environmental, Inc.

SAMPLE CH. | OF CUSTODY

Send Report To Josh Bernthal
 Company EPI
 Address 1180 NW Maple St, Ste 310
 City, State, ZIP Friaguan
 Phone # _____ Fax # _____

| | |
|---|-----------------------|
| SAMPLERS (signature)  | |
| PROJECT NAME/NO. <u>Clo Elum</u> | PO# <u>71201.0</u> |
| REMARKS <u>email - joshb@epi-wa.com</u> <u>ericc@ " " "</u> <u>Cynthiam@ " " "</u> | |

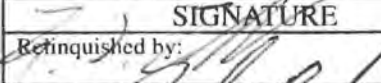
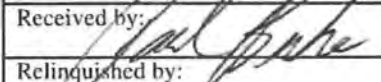
Page # 1 of _____

TURNAROUND TIME
 Standard (2 Weeks)
 RUSH 24 hr
 Rush charges authorized by _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED | | | | | | Notes |
|--------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|-------|
| | | | | | | TPH-Diesel | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS | |
| W244-552-35 | | 2/10/16 | 09:40 | Soil | 4 | X | X | | | | | |
| W244-550-75 | | | 09:55 | " | 4 | X | X | | | | | |
| W244-550-125 | | | 10:05 | | 4 | X | X | | | | | |
| W256-552-35 | | | 10:11 | | 4 | X | X | | | | | |
| W256-550-85 | | | 10:18 | | 4 | X | X | | | | | |
| W256-550-125 | | | 10:25 | | 4 | X | X | | | | | |
| W260-545-35 | | | 10:32 | | 4 | X | X | | | | | |
| W260-545-85 | | | 10:40 | | 4 | X | X | | | | | |
| W260-545-125 | | | 10:51 | | 4 | X | X | | | | | |

 Friedman & Bruya, Inc.
 3012 16th Avenue West
 Seattle, WA 98119-2029
 Ph. (206) 285-8282
 Fax (206) 283-5044
 FORMS\COC\COC.DOC

| SIGNATURE | PRINT NAME | COMPANY | DATE | TIME |
|---|--------------|---------|---------|-------|
|  | Eric Caddell | EPI | 2/10/16 | 16:45 |
|  | Paul Burke | Libby | 2/10/16 | 16:45 |
| Relinquished by: | | | | |
| Received by: | | | | |

Libby Environmental, Inc.

4139 Libby Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@aol.com

CLE ELUM MM 80 PROJECT

Environmental Partners, Inc.

Cle Elum, Washington

Libby Project # L160210-2

Client Project # 71201.0

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260C) in Soil

| Sample Number | Date Analyzed | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylenes (mg/kg) | Gasoline (mg/kg) | Surrogate Recovery (%) |
|------------------------------|---------------|-----------------|-----------------|----------------------|-----------------|------------------|------------------------|
| Method Blank | 2/10/16 | nd | nd | nd | nd | nd | 90 |
| LCS | 2/10/16 | 99% | 99% | | | | 90 |
| W244-S52-3S | 2/10/16 | nd | nd | nd | nd | nd | 80 |
| W244-S50-7S | 2/10/16 | nd | nd | nd | nd | nd | 93 |
| W244-S50-12S | 2/10/16 | nd | nd | nd | nd | nd | 93 |
| W256-S52-3S | 2/10/16 | nd | nd | nd | nd | nd | 78 |
| W256-S50-8S | 2/10/16 | nd | nd | nd | nd | nd | 90 |
| W256-S50-8S Dup | 2/10/16 | nd | nd | nd | nd | nd | 90 |
| W256-S50-12S | 2/10/16 | nd | nd | nd | nd | nd | 90 |
| W260-S45-3S | 2/10/16 | nd | nd | nd | nd | nd | 90 |
| W260-S45-8S | 2/10/16 | nd | 0.15 | 0.068 | 0.55 | nd | 87 |
| W260-S45-12S | 2/10/16 | nd | nd | nd | nd | nd | 91 |
| L160210-40 MS | 2/10/16 | 100% | 100% | | | | 98 |
| L160210-40 MSD | 2/10/16 | 99% | 101% | | | | 97 |
| Practical Quantitation Limit | | 0.02 | 0.10 | 0.05 | 0.15 | 10 | |

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

February 16, 2016

Eric Koltes
Environmental Partners, Inc.
1180 NW Maple Street, Suite 310
Issaquah, WA 98027

Dear Mr. Koltes:

Please find enclosed the analytical data report for the Cle Elum Project located in Cle Elum, Washington.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. The sample(s) will be disposed of in 30 days unless we are contacted to arrange long term storage.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
Senior Chemist
Libby Environmental, Inc.

Libby Environmental, Inc.

Chain of Custody Record

www.LibbyEnvironmental.com

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 2/10/16

Page: ~~2~~ 1 of ~~2~~ 1

Client: Environmental Partners, Inc

Project Manager: E. Koltos

Address: 1180 NW Maple St, Ste 310

Project Name: C10 Elum

City: Issaquah State: WA Zip: 98027

Location: I-90

City, State:

Phone: 425-281-3629

Fax:

Collector: E. Caddey

Date of Collection: 2/10/16

Client Project # 71201

Email: erica@epi-wa.com, jashb@epi-wa.com, cythiam@epi-wa.com



| Sample Number | Depth | Time | Sample Type | Container Type | | | | | | | | | | | Field Notes | | | |
|-----------------|-------|-------|-------------|----------------|----------|----------|-----------|------------|----------|-------------|------------|----------|---------------|----------|-------------|---------------|---------------|--|
| | | | | | VOC 8260 | NWTPH-Gx | BTEX 8021 | NWTPH-HCID | NWTPH-Dx | NWTPH-Dx/Dx | c PAH 8270 | PAH 8270 | Semi Vol 8270 | PCB 8082 | | MTCA 5 Metals | RCRA 8 Metals | |
| 1 W266-523-55 | 5 | 13:47 | SOP | 2-VOL, 16oz | X | X | | | | | | | | | | | | |
| 2 W266-534-55 | 5 | 13:50 | | | X | X | | | | | | | | | | | | |
| 3 W266-534-12S | 12 | 14:15 | | | X | X | | | | | | | | | | | | |
| 4 W266-523-12S | 12 | 14:21 | | | X | X | | | | | | | | | | | | |
| 5 W244-550-17S | 17 | 14:30 | | | X | X | | | | | | | | | | | | |
| 6 W256-550-17S | 17 | 14:35 | | | X | X | | | | | | | | | | | | |
| 7 W260-545-17S | 17 | 14:41 | | | X | X | | | | | | | | | | | | |
| 8 W266-534-17S | 17 | 14:50 | | | X | X | | | | | | | | | | | | |
| 9 W266-523-17S | 17 | 14:56 | | | X | X | | | | | | | | | | | | |
| 10 W250-530-20B | 20 | 15:04 | | | X | X | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | |

Relinquished by: *[Signature]* Date / Time: 2/10/16 16:45
 Received by: *[Signature]* Date / Time: 2/10/16 16:45

| Sample Receipt | |
|----------------------------|---------|
| Good Condition? | Y N |
| Temp. | °C |
| Seals Intact? | Y N N/A |
| Total Number of Containers | |

Remarks: BUSH
 TAT: 24HR 8HR 5-DAY

Libby Environmental, Inc.

CLE ELUM MM 80 PROJECT
Environmental Partners, Inc.
Cle Elum, Washington
Libby Project # L160210-3
Client Project # 71201.0

4139 Libby Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@aol.com

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260C) in Soil

| Sample Number | Date Analyzed | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylenes (mg/kg) | Gasoline (mg/kg) | Surrogate Recovery (%) |
|------------------------------|---------------|-----------------|-----------------|----------------------|-----------------|------------------|------------------------|
| Method Blank | 2/11/16 | nd | nd | nd | nd | nd | 91 |
| LCS | 2/11/16 | 97% | 97% | | | | 90 |
| W266-S23-5S | 2/11/16 | nd | nd | nd | nd | nd | 96 |
| W266-S34-5S | 2/11/16 | nd | nd | nd | 0.18 | nd | 100 |
| W266-S34-12S | 2/11/16 | nd | 0.36 | 0.12 | 0.83 | nd | 81 |
| W266-S23-12S | 2/11/16 | nd | nd | nd | nd | nd | 90 |
| W244-S50-17S | 2/11/16 | nd | nd | nd | nd | nd | 90 |
| W244-S50-17S Dup | 2/11/16 | nd | nd | nd | nd | nd | 83 |
| W256-S50-17S | 2/11/16 | nd | nd | nd | nd | nd | 97 |
| W260-S45-17S | 2/11/16 | nd | nd | nd | nd | nd | 91 |
| W266-S34-17S | 2/11/16 | nd | nd | nd | nd | nd | 87 |
| W266-S23-17S | 2/11/16 | nd | nd | nd | nd | nd | 89 |
| W250-S30-20B | 2/11/16 | nd | nd | nd | nd | nd | 82 |
| W250-S30-20B MS | 2/11/16 | 90% | 92% | | | | 91 |
| Practical Quantitation Limit | | 0.02 | 0.10 | 0.05 | 0.15 | 10 | |

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

February 16, 2016

Josh Burnthal
Environmental Partners, Inc.
1180 NW Maple Street, Suite 310
Issaquah, WA 98027

Dear Mr. Burnthal:

Please find enclosed the analytical data report for the Cle Elum Project located in Cle Elum, Washington.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. The sample(s) will be disposed of in 30 days unless we are contacted to arrange long term storage.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
Senior Chemist
Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 2/10/16

Page: 1 of 2

Client: EPI

Project Manager: Josh Bernhart

Address: 1180 NW Maple St

Project Name: Cle Elum Spill

City: 192A004H State: WA Zip: 98027

Location: Cle Elum, WA City, State:

Phone: 360-352-2110 Fax:

Collector: MLY Date of Collection: 2/10/16

Client Project # 712060

Email: jbernhart@epi-wa.com and cynthiam@epi-wa.com



| Sample Number | Depth | Time | Sample Type | Container Type | Analytes | | | | | | | | | | | Field Notes | | | |
|---------------|-------|------|-------------|----------------|----------|----------|-----------|------------|----------|------------|----------|---------------|----------|---------------|---------------|-------------|--|--|------------|
| | | | | | VOC 8260 | NWTPH-GX | BTEX 8021 | NWTPH-HCID | NWTPH-DX | c PAH 8270 | PAH 8270 | Semi Vol 8270 | PCB 8082 | MTCA 5 Metals | RCRA 8 Metals | | | | |
| 1 DPT-16:4 | 4 | 0855 | SOIL | 2 Vials - 14oz | | | | | | | | | | | | | | | HOLD |
| 2 DPT-16:8 | 8 | 0900 | SOIL | 2 Vials - 14oz | X | X | | | | | | | | | | | | | |
| 3 DPT-16:12 | 12 | 0905 | SOIL | 2 Vials - 14oz | | | | | | | | | | | | | | | HOLD |
| 4 DPT-16:16 | 16 | 0910 | SOIL | 2 Vials - 14oz | | | | | | | | | | | | | | | HOLD |
| 5 DPT-17:4 | 4 | 0925 | SOIL | 2 Vials - 14oz | X | X | | | | | | | | | | | | | HOLD - HOT |
| 6 DPT-17:8 | 8 | 0928 | SOIL | 2 Vials - 14oz | X | X | | | | | | | | | | | | | |
| 7 DPT-17:12 | 12 | 0930 | SOIL | 2 Vials - 14oz | X | X | | | | | | | | | | | | | |
| 8 DPT-17:16 | 16 | 0935 | SOIL | 2 Vials - 14oz | | | | | | | | | | | | | | | HOLD |
| 9 DPT-21:4 | 4 | 0955 | SOIL | 2 Vials - 14oz | | | | | | | | | | | | | | | HOLD |
| 10 DPT-21:8 | 8 | 1000 | SOIL | 2 Vials - 14oz | X | X | | | | | | | | | | | | | |
| 11 DPT-21:12 | 12 | 1005 | SOIL | 2 Vials - 14oz | | | | | | | | | | | | | | | HOLD |
| 12 DPT-21:16 | 16 | 1010 | SOIL | 2 Vials - 14oz | | | | | | | | | | | | | | | HOLD |
| 13 DPT-22:4 | 4 | 1020 | SOIL | 2 Vials - 14oz | | | | | | | | | | | | | | | HOLD |
| 14 DPT-22:8 | 8 | 1025 | SOIL | 2 Vials - 14oz | X | X | | | | | | | | | | | | | |
| 15 DPT-22:12 | 12 | 1030 | SOIL | 2 Vials - 14oz | X | X | | | | | | | | | | | | | |
| 16 DPT-22:16 | 16 | 1035 | SOIL | 2 Vials - 14oz | | | | | | | | | | | | | | | HOLD |
| 17 DPT-18:4 | 4 | 1050 | SOIL | 2 Vials - 14oz | | | | | | | | | | | | | | | HOLD |

| | | | |
|------------------|-------------|----------------------|-------------|
| Relinquished by: | Date / Time | Received by: | Date / Time |
| | | <i>Paul Bernhart</i> | 2/10/16 |
| Relinquished by: | Date / Time | Received by: | Date / Time |
| | | | |
| Relinquished by: | Date / Time | Received by: | Date / Time |
| | | | |

| Sample Receipt | |
|----------------------------|---------|
| Good Condition? | Y N |
| Temp. | °C |
| Seals Intact? | Y N N/A |
| Total Number of Containers | |

Remarks:
2-17-16 Change all "DPT" to "DP" per Cynthia via email
ML

TAT: 24HR 48HR 5-DAY

Libby Environmental, Inc.

Chain of Custody Record

www.LibbyEnvironmental.com

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 2/10/16 Page: 2 of 2

Client: EPL

Project Manager: Josh Burnthal

Address:

Project Name: Cle Elum

City: State: Zip:

Location: Cle Elum, WA City, State:

Phone: Fax:

Collector: MM Date of Collection:

Client Project # 71201

Email: josh@epi-wa.com and cynthia@epi-wa.com



| Sample Number | Depth | Time | Sample Type | Container Type | Analytes | | | | | | | | | | | | Field Notes | | | | | | | | | |
|---------------|-------|------|-------------|----------------|----------|----------|-----------|------------|----------|-------------|------------|----------|---------------|----------|---------------|---------------|-------------|--|--|--|--|--|--|--|------|------|
| | | | | | VOC 8260 | NWTPH-GX | BTEX 8021 | NWTPH-HCID | NWTPH-DX | NWTPH-DX/DX | c PAH 8270 | PAH 8270 | Semi Vol 8270 | PCB 8082 | MTCA 5 Metals | RCRA 8 Metals | | | | | | | | | | |
| 1 DPT-18:8 | 8 | 1053 | soil | 2VVA's 1402 | X | X | | | | | | | | | | | | | | | | | | | | |
| 2 DPT-18:12 | 12 | 1055 | soil | | | | | | | | | | | | | | | | | | | | | | HOLD | |
| 3 DPT-18:16 | 16 | 1100 | soil | | | | | | | | | | | | | | | | | | | | | | | HOLD |
| 4 DPT-23:4 | 4 | 1125 | | | | | | | | | | | | | | | | | | | | | | | | HOLD |
| 5 DPT-23:8 | 8 | 1130 | | | X | X | | | | | | | | | | | | | | | | | | | | |
| 6 DPT-23:12 | 12 | 1135 | | | | | | | | | | | | | | | | | | | | | | | | HOLD |
| 7 DPT-23:16 | 16 | 1140 | | | | | | | | | | | | | | | | | | | | | | | | HOLD |
| 8 DPT-19:4 | 4 | 1200 | | | | | | | | | | | | | | | | | | | | | | | | HOLD |
| 9 DPT-19:8 | 8 | 1205 | | | X | X | | | | | | | | | | | | | | | | | | | | |
| 10 DPT-19:12 | 12 | 1210 | | | | | | | | | | | | | | | | | | | | | | | | HOLD |
| 11 DPT-19:16 | 16 | 1215 | | | | | | | | | | | | | | | | | | | | | | | | HOLD |
| 12 DPT-20:4 | 4 | 1220 | | | X | X | | | | | | | | | | | | | | | | | | | | |
| 13 DPT-20:8 | 8 | 1225 | | | | | | | | | | | | | | | | | | | | | | | | HOLD |
| 14 DPT-20:12 | 12 | 1230 | | | | | | | | | | | | | | | | | | | | | | | | HOLD |
| 15 DPT-20:16 | 16 | 1235 | | | | | | | | | | | | | | | | | | | | | | | | HOLD |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|------------------|-------------|--------------|-------------|
| Relinquished by: | Date / Time | Received by: | Date / Time |
| Relinquished by: | Date / Time | Received by: | Date / Time |
| Relinquished by: | Date / Time | Received by: | Date / Time |

| Sample Receipt | | | |
|----------------------------|---|----|-----|
| Good Condition? | Y | N | |
| Temp. | | °C | |
| Seals Intact? | Y | N | N/A |
| Total Number of Containers | | | |

Remarks:
2-17-16 Change all "DPT" to "DP" per Cynthia via email
ML

TAT: 24HR 5-DAY

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@aol.com

CLE ELUM MM 80 PROJECT
Environmental Partners, Inc.
Cle Elum, Washington
Libby Project # L160210-40
Client Project # 71201.0

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260C) in Soil

| Sample Number | Date Analyzed | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylenes (mg/kg) | Gasoline (mg/kg) | Surrogate Recovery (%) |
|---------------|---------------|-----------------|-----------------|----------------------|-----------------|------------------|------------------------|
| Method Blank | 2/10/16 | nd | nd | nd | nd | nd | 90 |
| LCS | 2/10/16 | 99% | 99% | | | | 90 |
| DP-16:8 | 2/10/16 | nd | nd | nd | nd | nd | 91 |
| DP-17:4 | 2/10/16 | 0.53 | 4.19 | 0.48 | 2.99 | 19 | 89 |
| DP-17:8 | 2/10/16 | 0.039 | 0.31 | nd | 0.18 | nd | 80 |
| DP-17:12 | 2/10/16 | nd | nd | nd | nd | nd | 82 |
| DP-21:8 | 2/10/16 | 0.087 | 0.61 | 0.056 | 0.26 | nd | 90 |
| DP-22:8 | 2/10/16 | 0.021 | 0.10 | 0.068 | nd | nd | 81 |
| DP-22:12 | 2/10/16 | nd | nd | nd | nd | nd | 92 |
| DP-22:12 Dup | 2/10/16 | nd | nd | nd | nd | nd | 92 |
| DP-18:8 | 2/10/16 | nd | nd | nd | nd | nd | 77 |
| DP-23:8 | 2/10/16 | nd | nd | nd | nd | nd | 95 |
| DP-19:8 | 2/10/16 | nd | nd | nd | nd | nd | 76 |
| DP-19:8 Dup | 2/10/16 | nd | nd | nd | nd | nd | 91 |
| DP-20:4 | 2/10/16 | nd | nd | nd | nd | nd | 90 |
| DP-20:4 MS | 2/10/16 | 100% | 100% | | | | 98 |
| DP-20:4 MSD | 2/10/16 | 99% | 101% | | | | 97 |

Practical Quantitation Limit 0.02 0.10 0.05 0.15 10

"E" Indicates the reported result is an estimate because it exceeds the calibration range.

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

February 16, 2016

Josh Burnthal
Environmental Partners, Inc.
1180 NW Maple Street, Suite 310
Issaquah, WA 98027

Dear Mr. Burnthal:

Please find enclosed the analytical data report for the Cle Elum Project located in Cle Elum, Washington.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. The sample(s) will be disposed of in 30 days unless we are contacted to arrange long term storage.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
Senior Chemist
Libby Environmental, Inc.

Libby Environmental, Inc.

Chain of Custody Record

4139 Libby Road NE Olympia, WA 98506
 Ph: 360-352-2110 Fax: 360-352-4154

Date: 2/11/16 Page: 1 of 1

Client: Environmental Partners, Inc.

Project Manager: Josh Bernthal

Address: 1180 NW Maple St, Ste 310

Project Name: Cle Elum

City: Issaquah State: WA Zip: 98027

Location: Cle Elum City, State: WA

Phone: 425-281-3629 Fax:

Collector: E. Caddy Date of Collection: 2/11/16

Client Project # 71201.0

Email: joshb@epi-wa.com, ericc@epi-wa.com, cynthiam@epi-wa.com



| Sample Number | Depth | Time | Sample Type | Container Type | VOC 8280 | NWTPH-GX | BTEX 8021 | NWTPH-HCID | NWTPH-Dx | c-PAH 8270 | PAH 8270 | Semi Vol 8270 | PCB 8082 | MTCA 6 Metals | RCRA 8 Metals | Field Notes |
|---------------|-------|-------|-------------|----------------|----------|----------|-----------|------------|----------|------------|----------|---------------|----------|---------------|---------------|-------------|
| 1W254518-35 | 3 | 10:55 | soil | 4 vol | X | X | | | | | | | | | | |
| 2W254-518-85 | 8 | 11:01 | ↓ | ↓ | X | X | | | | | | | | | | |
| 3W254-520-135 | 13 | 11:08 | ↓ | ↓ | X | X | | | | | | | | | | |
| 4W254-521-175 | 17 | 11:15 | ↓ | ↓ | X | X | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | |

| | | | | | |
|-------------------------------------|-----------------------------------|---------------------------------|-----------------------------------|---|---|
| Relinquished by: <u>[Signature]</u> | Date / Time: <u>2/11/16 12:17</u> | Received by: <u>[Signature]</u> | Date / Time: <u>2/11/16 12:17</u> | Sample Receipt Good Condition? Y N Temp. °C Seals Intact? Y N N/A Total Number of Containers | Remarks: TAT: <u>24HR</u> 48HR 5-DAY |
| Relinquished by: | Date / Time: | Received by: | Date / Time: | | |
| Relinquished by: | Date / Time: | Received by: | Date / Time: | | |
| Relinquished by: | Date / Time: | Received by: | Date / Time: | | |

no reasonable attorney fees to be determined by a court of law.

Libby Environmental, Inc.

4139 Libby Road NE
Olympia, WA 98506
Phone: (360) 352-2110
FAX: (360) 352-4154
Email: libbyenv@aol.com

CLE ELUM MM 80 PROJECT
Environmental Partners, Inc.
Cle Elum, Washington
Libby Project # L160211-3
Client Project # 71201.0

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260C) in Soil

| Sample Number | Date Analyzed | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylenes (mg/kg) | Gasoline (mg/kg) | Surrogate Recovery (%) |
|------------------------------|---------------|-----------------|-----------------|----------------------|-----------------|------------------|------------------------|
| Method Blank | 2/11/16 | nd | nd | nd | nd | nd | 94 |
| LCS | 2/11/16 | 102% | 93% | | | | 80 |
| W254-S18-3S | 2/11/16 | nd | nd | nd | nd | nd | 88 |
| W254-S18-8S | 2/11/16 | nd | nd | nd | nd | nd | 95 |
| W254-S20-13S | 2/11/16 | nd | nd | nd | nd | nd | 93 |
| W254-S21-17S | 2/11/16 | nd | nd | nd | nd | nd | 82 |
| W254-S21-17S Dup | 2/11/16 | nd | nd | nd | nd | nd | 95 |
| W254-S18-3S MS | 2/11/16 | 99% | 103% | | | | 94 |
| Practical Quantitation Limit | | 0.02 | 0.10 | 0.05 | 0.15 | 10 | |

"E" Indicates the reported result is an estimate because it exceeds the calibration range.

"nd" Indicates not detected at the listed detection limits.

"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke



Libby Environmental, Inc.

4139 Libby Road NE • Olympia, WA 98506-2518

February 16, 2016

Josh Burnthal
Environmental Partners, Inc.
1180 NW Maple Street, Suite 310
Issaquah, WA 98027

Dear Mr. Burnthal:

Please find enclosed the analytical data report for the Cle Elum Project located in Cle Elum, Washington.

The results of the analyses are summarized in the attached tables. Applicable detection limits and QA/QC data are included. The sample(s) will be disposed of in 30 days unless we are contacted to arrange long term storage.

Libby Environmental, Inc. appreciates the opportunity to have provided analytical services for this project. If you have any further questions about the data report, please give me a call. It was a pleasure working with you on this project, and we are looking forward to the next opportunity to work together.

Sincerely,

Sherry L. Chilcutt
Senior Chemist
Libby Environmental, Inc.

Libby Environmental, Inc.

Chain of Custody Record

www.LibbyEnvironmental.com

4139 Libby Road NE
Olympia, WA 98506

Ph: 360-352-2110
Fax: 360-352-4154

Date: 2/10/16

Page: 1 of 2

Client: EPI

Project Manager: Josh Bernick

Address: 1180 New Maple St

Project Name: Cle Elum Spill

City: 1924048H State: WA Zip: 98027

Location: Cle Elum, WA City, State:

Phone: 425-241-5110 Fax:

Collector: M/M Date of Collection: 2/10/16

Client Project # 71206

Email: jbernick@epi-wa.com and cynthiam@epi-wa.com



| Sample Number | Depth | Time | Sample Type | Container Type | Analytes | | | | | | | | | | | Field Notes | | | | |
|---------------|-------|------|-------------|----------------|----------|----------|-----------|------------|----------|-------------|------------|----------|---------------|----------|---------------|-------------|---------------|--|--|---|
| | | | | | VOC 8260 | NWTPH-GX | BTEX 8021 | NWTPH-HCID | NWTPH-DX | NWTPH-Dx/Dx | c PAH 8270 | PAH 8270 | Semi Vol 8270 | PCB 8082 | MICA 5 Metals | | RCRA 8 Metals | | | |
| 1 DPT-16:4 | 4 | 0855 | SOIL | 2 Vials - 4oz | | | | | | | | | | | | | | | | 2-10-16 Run per Josh Via email Field Notes 48 hr |
| 2 DPT-16:8 | 8 | 0900 | SOIL | 2 Vials - 4oz | X | X | | | | | | | | | | | | | | HOLD RUN |
| 3 DPT-16:12 | 12 | 0905 | SOIL | 2 Vials - 4oz | | | | | | | | | | | | | | | | HOLD RUN |
| 4 DPT-16:16 | 16 | 0910 | SOIL | 2 Vials - 4oz | | | | | | | | | | | | | | | | HOLD |
| 5 DPT-17:4 | 4 | 0925 | SOIL | 2 Vials - 4oz | X | X | | | | | | | | | | | | | | HOLD - HOT |
| 6 DPT-17:8 | 8 | 0928 | SOIL | 2 Vials - 4oz | X | X | | | | | | | | | | | | | | |
| 7 DPT-17:12 | 12 | 0930 | SOIL | 2 Vials - 4oz | X | X | | | | | | | | | | | | | | |
| 8 DPT-17:16 | 16 | 0935 | SOIL | 2 Vials - 4oz | | | | | | | | | | | | | | | | HOLD |
| 9 DPT-21:4 | 4 | 0955 | SOIL | 2 Vials - 4oz | | | | | | | | | | | | | | | | HOLD RUN |
| 10 DPT-21:8 | 8 | 1000 | SOIL | 2 Vials - 4oz | X | X | | | | | | | | | | | | | | |
| 11 DPT-21:12 | 12 | 1005 | SOIL | 2 Vials - 4oz | | | | | | | | | | | | | | | | HOLD RUN |
| 12 DPT-21:16 | 16 | 1010 | SOIL | 2 Vials - 4oz | | | | | | | | | | | | | | | | HOLD |
| 13 DPT-22:4 | 4 | 1020 | SOIL | 2 Vials - 4oz | | | | | | | | | | | | | | | | HOLD RUN |
| 14 DPT-22:8 | 8 | 1025 | SOIL | 2 Vials - 4oz | X | X | | | | | | | | | | | | | | |
| 15 DPT-22:12 | 12 | 1030 | SOIL | 2 Vials - 4oz | X | X | | | | | | | | | | | | | | |
| 16 DPT-22:16 | 16 | 1035 | SOIL | 2 Vials - 4oz | | | | | | | | | | | | | | | | HOLD |
| 17 DPT-18:4 | 4 | 1050 | SOIL | 2 Vials - 4oz | | | | | | | | | | | | | | | | HOLD RUN |

| | | | |
|------------------|-------------|---------------------|-------------|
| Relinquished by: | Date / Time | Received by: | Date / Time |
| | | <i>Josh Bernick</i> | 2/10/16 |
| Relinquished by: | Date / Time | Received by: | Date / Time |
| | | | |
| Relinquished by: | Date / Time | Received by: | Date / Time |
| | | | |

| Sample Receipt | | |
|----------------------------|----|-------|
| Good Condition? | Y | N |
| Temp. | °C | |
| Seals Intact? | Y | N N/A |
| Total Number of Containers | | |

Remarks: 2-17-16
Change all "DPT" to "DP"
per Cynthia
via email
ML

TAT: 24HR 1HR 5-DAY

Libby Environmental, Inc.

4139 Libby Road NE

Olympia, WA 98506

Phone: (360) 352-2110

FAX: (360) 352-4154

Email: libbyenv@aol.com

CLE ELUM MM 80 PROJECT

Environmental Partners, Inc.

Cle Elum, Washington

Libby Project # L160212-4

Client Project # 71201.0

Analyses of Gasoline (NWTPH-Gx) & BTEX (EPA Method 8260C) in Soil

| Sample Number | Date Analyzed | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylenes (mg/kg) | Gasoline (mg/kg) | Surrogate Recovery (%) |
|---------------|---------------|-----------------|-----------------|----------------------|-----------------|------------------|------------------------|
| Method Blank | 2/12/16 | nd | nd | nd | nd | nd | 93 |
| LCS | 2/12/16 | 100% | 105% | | | | 94 |
| DP-16:4 | 2/12/16 | 0.082 | 0.11 | nd | nd | nd | 93 |
| DP-16:12 | 2/12/16 | nd | nd | nd | nd | nd | 93 |
| DP-21:4 | 2/12/16 | nd | 0.12 | nd | 0.21 | nd | 93 |
| DP-21:12 | 2/12/16 | nd | nd | nd | nd | nd | 93 |
| DP-22:4 | 2/12/16 | 0.012 | 0.093 | nd | nd | nd | 95 |
| DP-22:4 Dup | 2/12/16 | 0.023 | 0.16 | nd | nd | nd | 95 |
| DP-18:4 | 2/12/16 | 0.025 | 0.22 | nd | nd | nd | 94 |
| DP-18:12 | 2/12/16 | nd | nd | nd | nd | nd | 93 |
| DP-23:4 | 2/12/16 | 0.039 | 0.72 | 0.087 | 0.40 | nd | 94 |
| DP-23:12 | 2/12/16 | nd | nd | nd | nd | nd | 93 |
| DP-19:4 | 2/12/16 | nd | nd | nd | nd | nd | 93 |
| DP-19:12 | 2/12/16 | nd | nd | nd | nd | nd | 92 |
| DP-19:12 Dup | 2/12/16 | nd | nd | nd | nd | nd | 78 |
| DP-20:8 | 2/12/16 | nd | nd | nd | nd | nd | 94 |
| DP-20:12 | 2/12/16 | nd | nd | nd | nd | nd | 94 |
| DP-16:12 MS | 2/12/16 | 95% | 111% | | | | 96 |
| DP-16:12 MSD | 2/12/16 | 94% | 93% | | | | 82 |

Practical Quantitation Limit 0.02 0.10 0.05 0.15 10

"E" Indicates the reported result is an estimate because it exceeds the calibration range.

"nd" Indicates not detected at the listed detection limits.

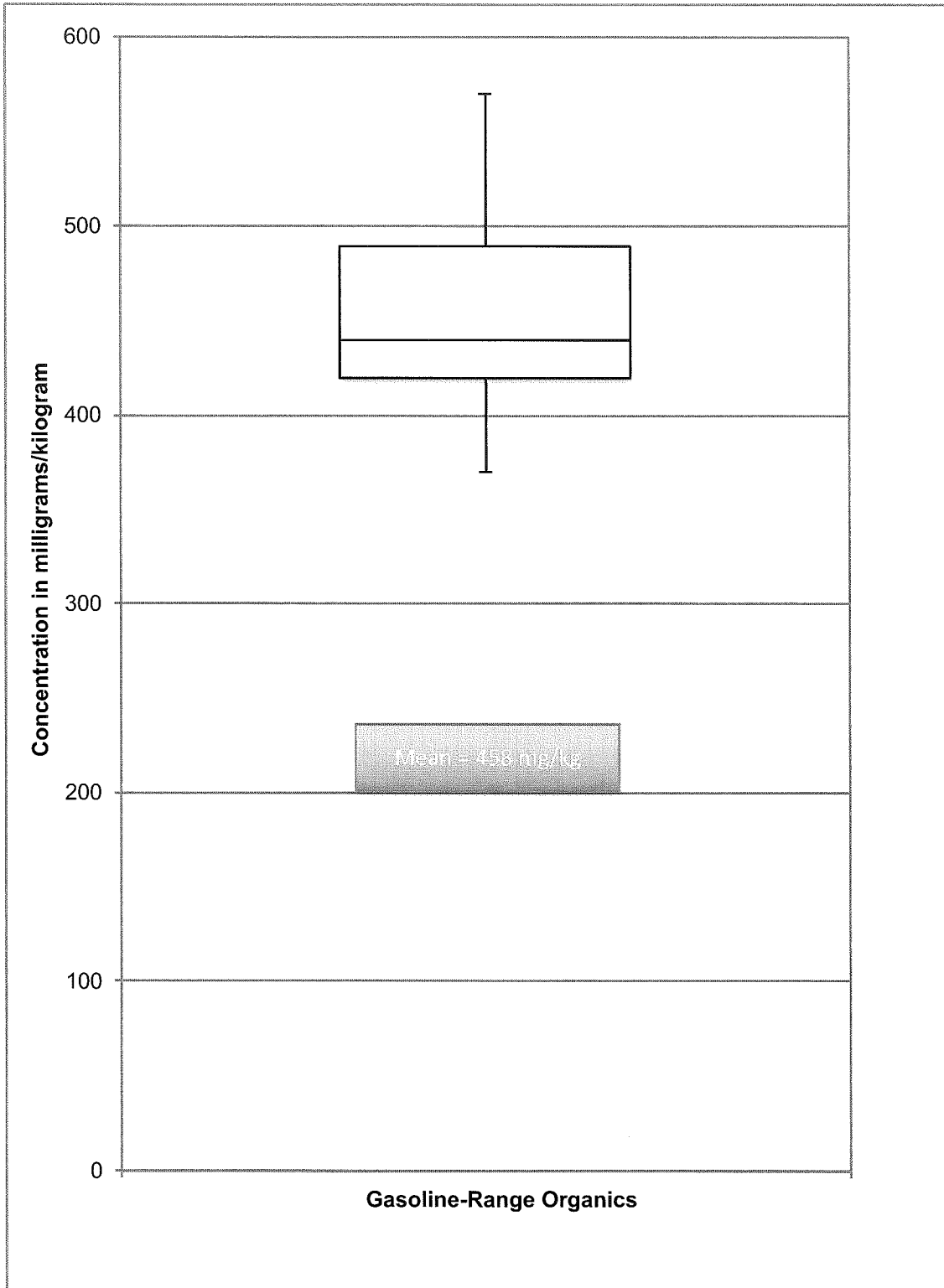
"int" Indicates that interference prevents determination.

ACCEPTABLE RECOVERY LIMITS FOR SURROGATE (Toluene-d8): 65% TO 135%

ANALYSES PERFORMED BY: Paul Burke

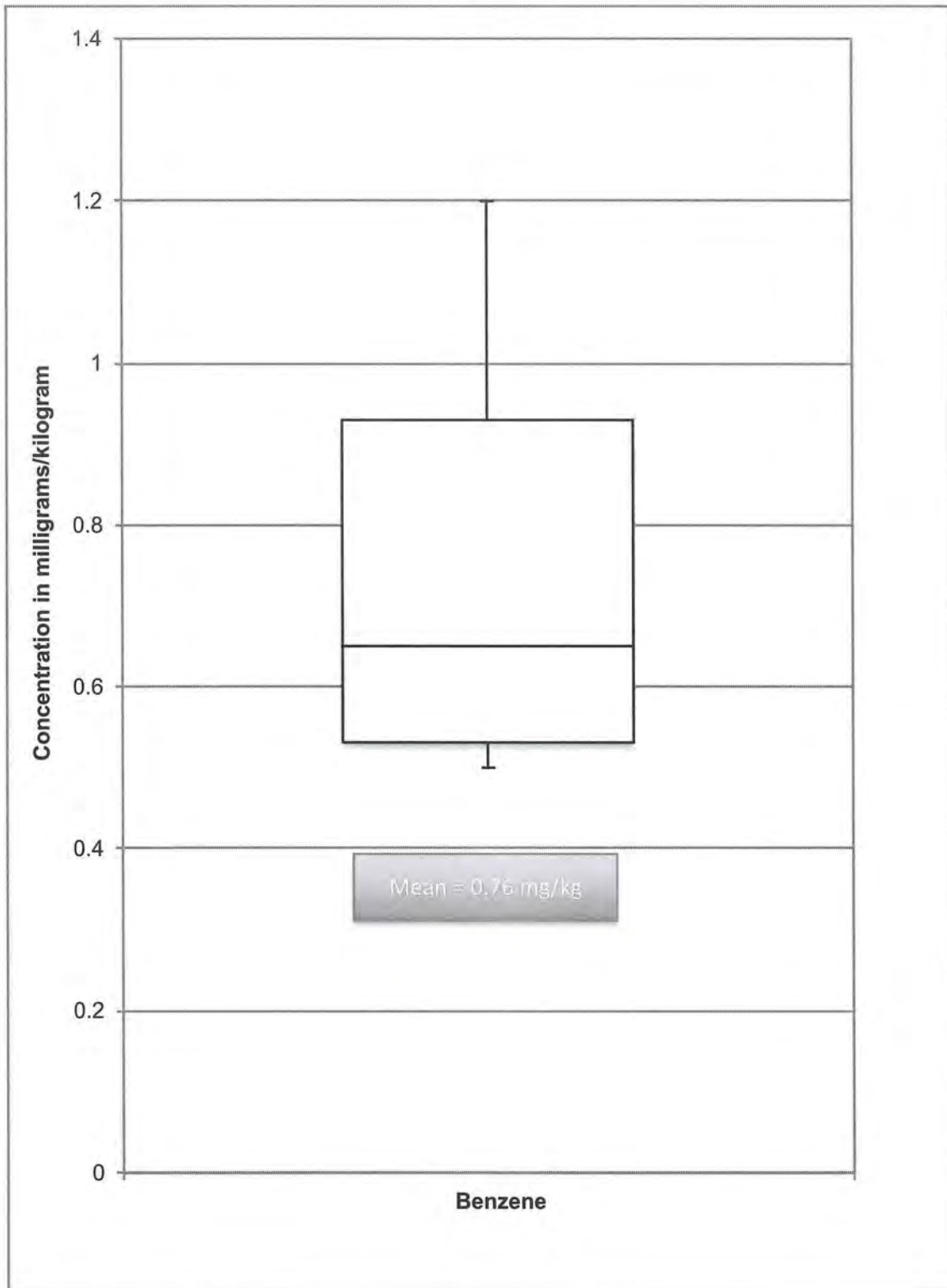
Attachment B
Box and Whisker Plots for TEE

Chart 1
Box-and-Whisker Plot of TEE Evaluation Data
Gasoline-Range Organics
Sample: TEE3



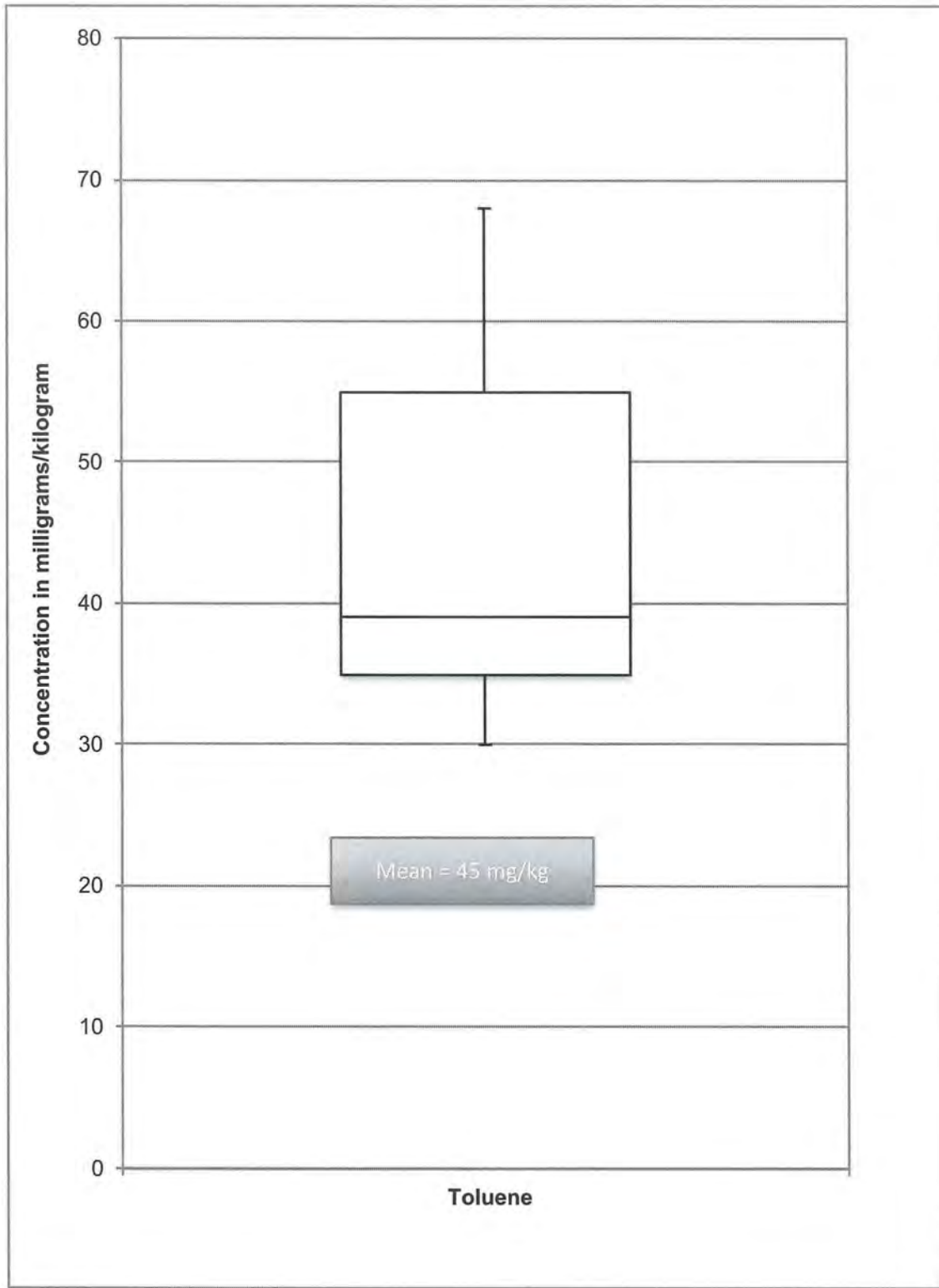
Note:
TEE Terrestrial Ecological Evaluation

Chart 2
Box-and-Whisker Plot of TEE Evaluation Data
Benzene
Sample: TEE3



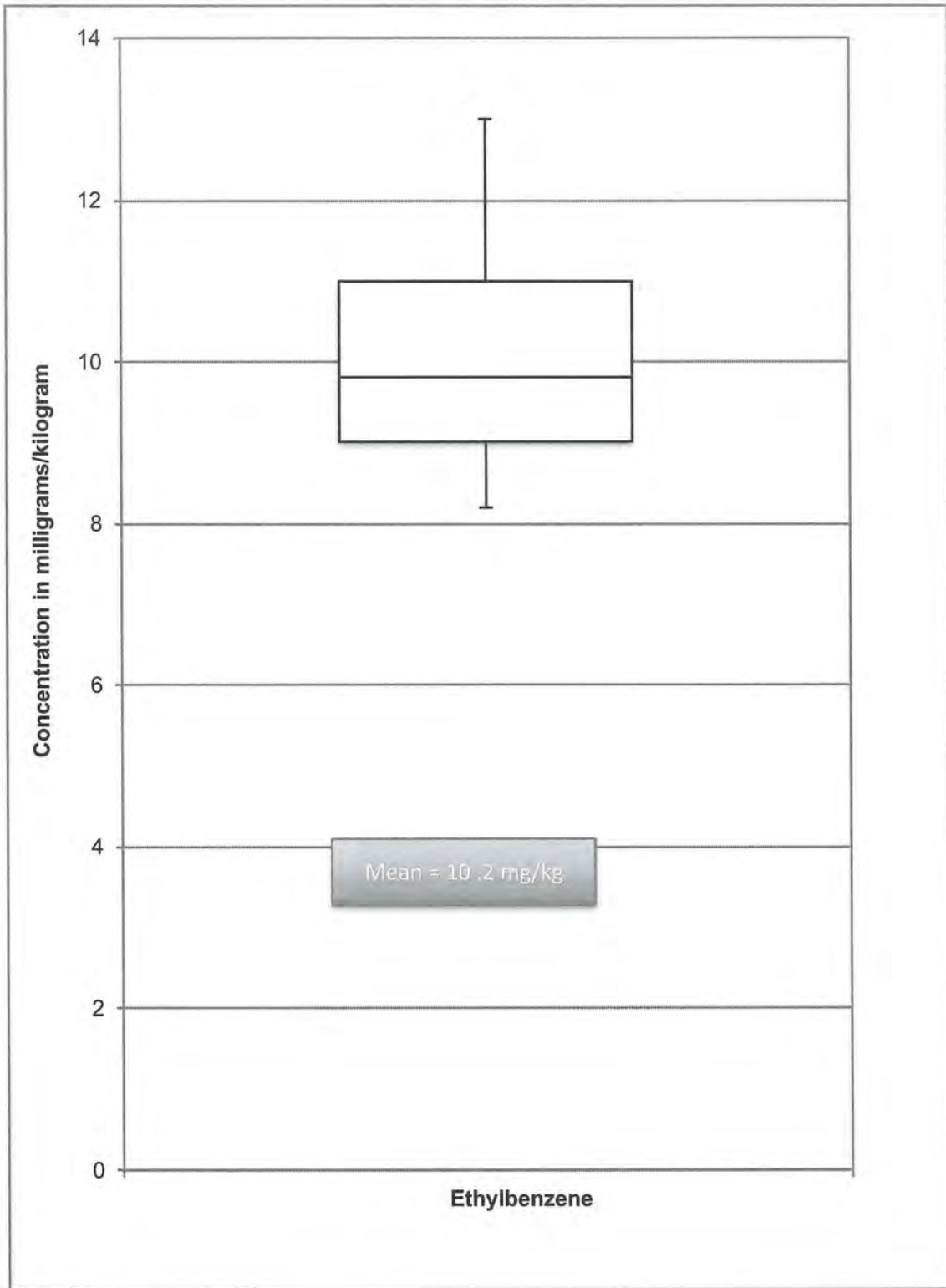
Note:
TEE Terrestrial Ecological Evaluation

Chart 3
Box-and-Whisker Plot of TEE Evaluation Data
Toluene
Sample: TEE3



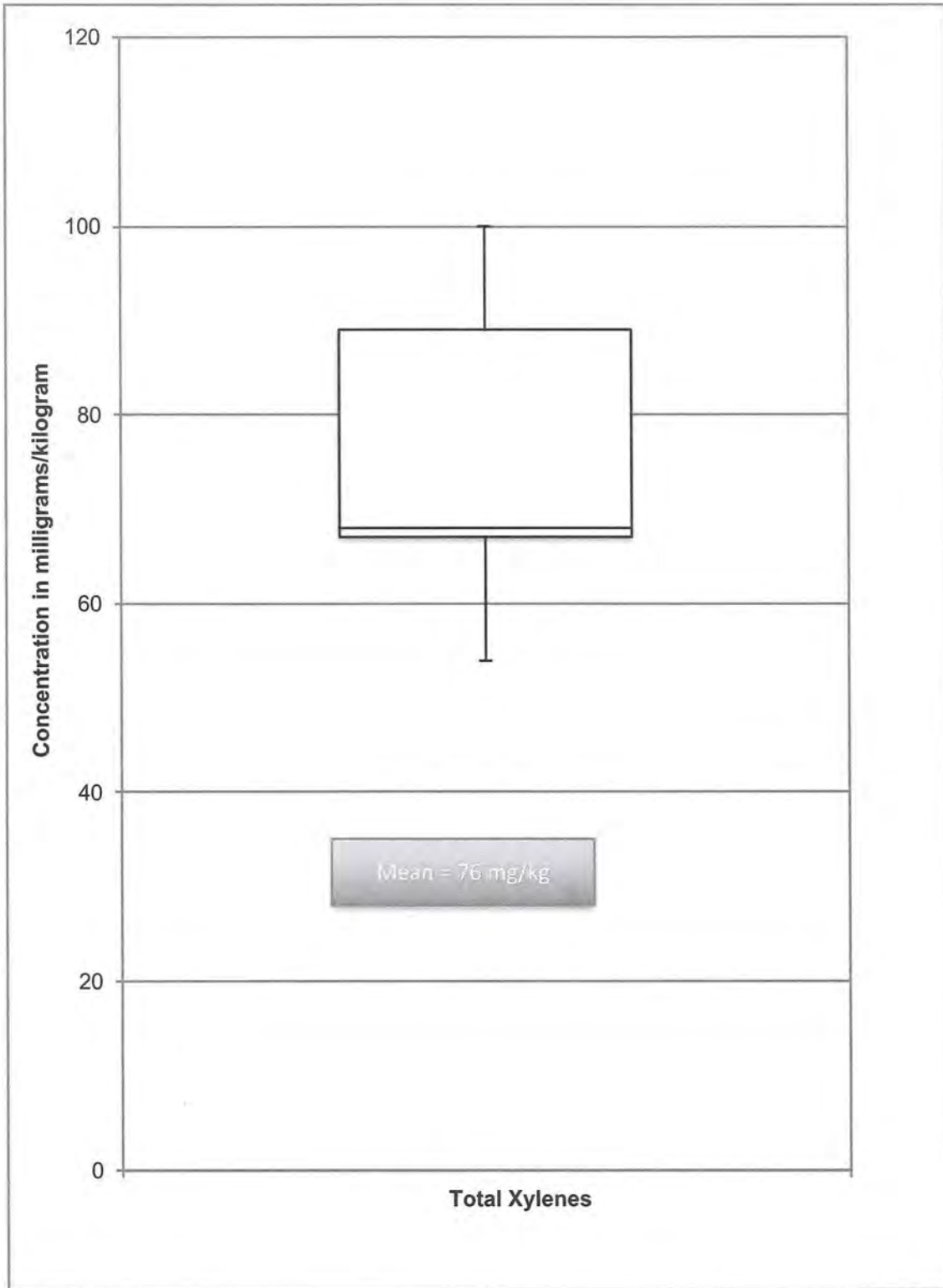
Note:
TEE Terrestrial Ecological Evaluation

Chart 4
Box-and-Whisker Plot of TEE Evaluation Data
Ethylbenzene
Sample: TEE3



Note:
TEE Terrestrial Ecological Evaluation

Chart 5
Box-and-Whisker Plot of TEE Evaluation Data
Total Xylenes
Sample: TEE3



Note:
TEE Terrestrial Ecological Evaluation

Attachment C
TEE Bioassay Reports and
WEM Calculation Worksheets

**Cleanup Levels for Potential TEE Receptors
The Kenan Advantage Group, Inc.
Milepost 80, Interstate 90, Cle Elum, Washington
Gasoline-Range Organics**

Cleanup Level for Avian Predator (Robin)

Equation in Table 749-4

| | | |
|---|--|--------------|
| Soil CUL = $\frac{T \text{ robin}}{(FIR \text{ robin} \times P \text{sb robin} \times BAF \text{ worm}) + (SIR \text{ robin} \times RGAF \text{ robin})}$ | | |
| CUL | Units | |
| 103 | mg/kg | |
| Variable | Unit | Value |
| Psb robin | Unitless | 0.52 |
| FIR robin | kg dry food / kg body weight - day | 0.207 |
| SIR robin | kg dry soil / kg body weight - day | 0.0215 |
| RGAF robin | Unitless (Table 749-5) | 1 |
| T robin | mg/kg - day (Eco SSL - EPA March 2005) | 2.24 |
| Home Range | Acres | 0.6 |
| BAF worm | mg/kg worm / mg/kg soil (Table 749-5 footnote a) | 0.002 |

Notes:

- | | |
|------|---|
| Psb | Proportion of contaminated food in diet |
| FIR | Food Ingestion rate |
| SIR | Soil Ingestion rate |
| RGAF | Gut Absorption Factor |
| T | Toxicity Reference Value from Ecological Screening Levels for Arsenic, US EPA, March 2000 |
| BAF | Site Specific Bioaccumulation Factor |

Cleanup Level for Mammalian Predator (Shrew)

Equation in Table 749-4

| | | |
|---|--|--------------|
| Soil CUL = $\frac{T \text{ shrew}}{FIR \text{ shrew} \times P \text{sb shrew} \times BAF \text{ worm} + (SIR \text{ shrew} \times RGAF \text{ shrew})}$ | | |
| CUL | Units | |
| 379 | mg/kg | |
| Variable | Unit | Value |
| T shrew | mg/kg - day (Table 749-5) | 1.89 |
| FIR shrew | kg dry food / kg body weight - day | 0.45 |
| Psb shrew | unitless | 0.5 |
| BAF worm | mg/kg worm / mg/kg soil (Table 749-5 footnote a) | 0.002 |
| SIR shrew | kg dry soil / kg body weight - day | 0.0045 |
| RGAF shrew | Unitless (chemical specific-As) | 1 |

Notes:

- | | |
|-----|---|
| T | Toxicity Reference Value |
| FIR | Food Ingestion rate |
| P | Proportion of contaminated food in diet |
| BAF | Bioaccumulation factor |
| SIR | Soil Ingestion rate |
| | Gut Absorption Factor |
| BAF | Site Specific Bioaccumulation Factor |

**TEE Site-Specific CUL Protective of Plants
(from bioassay analyses)**

| | |
|------------|--------------|
| CUL | Units |
| 334 | mg/kg |

**TEE Site-Specific CUL Protective of Soil Biota
(Table 749-3)**

| | |
|------------|--------------|
| CUL | Units |
| 334 | mg/kg |

BAF

| | | |
|------------------------|----------------------|-------|
| Starting Concentration | Tissue Concentration | BAF |
| 458.00 | 1 | 0.002 |

**Cleanup Levels for Potential TEE Receptors
The Kenan Advantage Group, Inc.
Milepost 80, Interstate 90, Cle Elum, Washington
Benzene**

**Cleanup Level for Avian Predator (Robin)
Equation in Table 749-4**

| Soil CUL = $\frac{T \text{ robin}}{(FIR \text{ robin} \times Psb \text{ robin} \times BAF \text{ worm}) + (SIR \text{ robin} \times RGAF \text{ robin})}$ | | |
|---|--|--------|
| CUL | Units | |
| 98 | mg/kg | |
| Variable | Unit | Value |
| Psb robin | Unitless | 0.52 |
| FIR robin | kg dry food / kg body weight - day | 0.207 |
| SIR robin | kg dry soil / kg body weight - day | 0.0215 |
| RGAF robin | Unitless (Table 749-5) | 1 |
| T robin | mg/kg - day (Eco SSL - EPA March 2005) | 2.24 |
| Home Range | Acres | 0.6 |
| BAF worm | mg/kg worm / mg/kg soil (Table 749-5 footnote a) | 0.013 |

Notes:

| | |
|------|---|
| Psb | Proportion of contaminated food in diet |
| FIR | Food ingestion rate |
| SIR | Soil ingestion rate |
| RGAF | Gut Absorption Factor |
| T | Toxicity Reference Value from Ecological Screening Levels for Arsenic, US EPA, March 2005 |
| BAF | Site Specific Bioaccumulation Factor |

**Cleanup Level for Mammalian Predator (Shrew)
Equation in Table 749-4**

| Soil CUL = $\frac{T \text{ shrew}}{FIR \text{ shrew} \times Psb \text{ shrew} \times BAF \text{ worm} + (SIR \text{ shrew} \times RGAF \text{ shrew})}$ | | |
|---|--|--------|
| CUL | Units | |
| 253 | mg/kg | |
| Variable | Unit | Value |
| T shrew | mg/kg - day (Table 749-5) | 1.89 |
| FIR shrew | kg dry food / kg body weight - day | 0.45 |
| Psb shrew | unitless | 0.5 |
| BAF worm | mg/kg worm / mg/kg soil (Table 749-5 footnote a) | 0.013 |
| SIR shrew | kg dry soil / kg body weight - day | 0.0045 |
| RGAF shrew | Unitless (chemical specific-As) | 1 |

Notes:

| | |
|------|---|
| T | Toxicity Reference Value |
| FIR | Food ingestion rate |
| P | Proportion of contaminated food in diet |
| BAF | Bioaccumulation factor |
| SIR | Soil ingestion rate |
| RGAF | Gut Absorption Factor |
| BAF | Site Specific Bioaccumulation Factor |

**TEE Site-Specific CUL Protective of Plants
(from bioassay analyses)**

| | |
|-------------|--------------|
| CUL | Units |
| 0.11 | mg/kg |

**TEE Site-Specific CUL Protective of Soil Biota
(Table 749-3)**

| | |
|-------------|--------------|
| CUL | Units |
| 0.11 | mg/kg |

BAF

| Starting Concentration | Tissue Concentration | BAF |
|------------------------|----------------------|-------|
| 0.76 | 0.01 | 0.013 |

**Cleanup Levels for Potential TEE Receptors
The Kenan Advantage Group, Inc.
Milepost 80, Interstate 90, Cle Elum, Washington
Toluene**

**Cleanup Level for Avian Predator (Robin)
Equation in Table 749-4**

| | | |
|---|--|--------------|
| Soil CUL = $\frac{T \text{ robin}}{(FIR \text{ robin} \times Psb \text{ robin} \times BAF \text{ worm}) + (SIR \text{ robin} \times RGAF \text{ robin})}$ | | |
| CUL | Units | |
| 104 | mg/kg | |
| Variable | Unit | Value |
| Psb robin | Unitless | 0.52 |
| FIR robin | kg dry food / kg body weight - day | 0.207 |
| SIR robin | kg dry soil / kg body weight - day | 0.0215 |
| RGAF robin | Unitless (Table 749-5) | 1 |
| T robin | mg/kg - day (Eco SSL - EPA March 2005) | 2.24 |
| Home Range | Acres | 0.6 |
| BAF worm | mg/kg worm / mg/kg soil (Table 749-5 footnote a) | 0.0002 |

- Notes:
- Psb Proportion of contaminated food in diet
 - FIR Food ingestion rate
 - SIR Soil ingestion rate
 - RGAF Gut Absorption Factor
 - T Toxicity Reference Value from Ecological Screening Levels for Arsenic, US EPA, March 2005
 - BAF Site Specific Bioaccumulation Factor

**Cleanup Level for Mammalian Predator (Shrew)
Equation in Table 749-4**

| | | |
|---|--|--------------|
| Soil CUL = $\frac{T \text{ shrew}}{(FIR \text{ shrew} \times Psb \text{ shrew} \times BAF \text{ worm}) + (SIR \text{ shrew} \times RGAF \text{ shrew})}$ | | |
| CUL | Units | |
| 415 | mg/kg | |
| Variable | Unit | Value |
| T shrew | mg/kg - day (Table 749-5) | 1.89 |
| FIR shrew | kg dry food / kg body weight - day | 0.45 |
| Psb shrew | unitless | 0.5 |
| BAF worm | mg/kg worm / mg/kg soil (Table 749-5 footnote a) | 0.000 |
| SIR shrew | kg dry soil / kg body weight - day | 0.0045 |
| RGAF shrew | Unitless (chemical specific-As) | 1 |

- Notes:
- T Toxicity Reference Value
 - FIR Food ingestion rate
 - P Proportion of contaminated food in diet
 - BAF Bioaccumulation factor
 - SIR Soil ingestion rate
 - RGAF Gut Absorption Factor
 - BAF Site Specific Bioaccumulation Factor

**TEE Site-Specific CUL Protective of Plants
(from bioassay analyses)**

| | |
|------------|--------------|
| CUL | Units |
| 4.2 | mg/kg |

**TEE Site-Specific CUL Protective of Soil Biota
(Table 749-3)**

| | |
|------------|--------------|
| CUL | Units |
| 4.2 | mg/kg |

BAF

| | | |
|------------------------|----------------------|--------|
| Starting Concentration | Tissue Concentration | BAF |
| 45.0 | 0.01 | 0.0002 |

**Cleanup Levels for Potential TEE Receptors
The Kenan Advantage Group, Inc.
Milepost 80, Interstate 90, Cle Elum, Washington
Ethylbenzene**

**Cleanup Level for Avian Predator (Robin)
Equation in Table 749-4**

| | | |
|---|--|--------------|
| Soil CUL = $\frac{T \text{ robin}}{(FIR \text{ robin} \times Psb \text{ robin} \times BAF \text{ worm}) + (SIR \text{ robin} \times RGAF \text{ robin})}$ | | |
| CUL | Units | |
| 104 | mg/kg | |
| Variable | Unit | Value |
| Psb robin | Unitless | 0.52 |
| FIR robin | kg dry food / kg body weight - day | 0.207 |
| SIR robin | kg dry soil / kg body weight - day | 0.0215 |
| RGAF robin | Unitless (Table 749-5) | 1 |
| T robin | mg/kg - day (Eco SSL - EPA March 2005) | 2.24 |
| Home Range | Acres | 0.6 |
| BAF worm | mg/kg worm / mg/kg soil (Table 749-5 footnote a) | 0.001 |

Notes:

Psb Proportion of contaminated food in diet
 FIR Food ingestion rate
 SIR Soil ingestion rate
 RGAF Gut Absorption Factor
 T Toxicity Reference Value from Ecological Screening Levels for Arsenic, US EPA, March 2005
 BAF Site Specific Bioaccumulation Factor

**Cleanup Level for Mammalian Predator (Shrew)
Equation in Table 749-4**

| | | |
|---|--|--------------|
| Soil CUL = $\frac{T \text{ shrew}}{FIR \text{ shrew} \times Psb \text{ shrew} \times BAF \text{ worm} + (SIR \text{ shrew} \times RGAF \text{ shrew})}$ | | |
| CUL | Units | |
| 400 | mg/kg | |
| Variable | Unit | Value |
| T shrew | mg/kg - day (Table 749-5) | 1.89 |
| FIR shrew | kg dry food / kg body weight - day | 0.45 |
| Psb shrew | unitless | 0.5 |
| BAF worm | mg/kg worm / mg/kg soil (Table 749-5 footnote a) | 0.001 |
| SIR shrew | kg dry soil / kg body weight - day | 0.0045 |
| RGAF shrew | Unitless (chemical specific-As) | 1 |

Notes:

T Toxicity Reference Value
 FIR Food ingestion rate
 P Proportion of contaminated food in diet
 BAF Bioaccumulation factor
 SIR Soil ingestion rate
 RGAF Gut Absorption Factor
 BAF Site Specific Bioaccumulation Factor

**TEE Site-Specific CUL Protective of Plants
(from bioassay analyses)**

| | |
|----------------|--------------|
| CUL | Units |
| <0.1 | mg/kg |

**TEE Site-Specific CUL Protective of Soil Biota
(Table 749-3)**

| | |
|----------------|--------------|
| CUL | Units |
| <0.1 | mg/kg |

BAF

| | | |
|------------------------|----------------------|-------|
| Starting Concentration | Tissue Concentration | BAF |
| 10.20 | 0.01 | 0.001 |

**Cleanup Levels for Potential TEE Receptors
The Kenan Advantage Group, Inc.
Milepost 80, Interstate 90, Cle Elum, Washington
Total Xylenes**

**Cleanup Level for Avian Predator (Robin)
Equation in Table 749-4**

| | | |
|---|--|--------------|
| Soil CUL = $\frac{T \text{ robin}}{(FIR \text{ robin} \times P \text{sb robin} \times BAF \text{ worm}) + (SIR \text{ robin} \times RGAF \text{ robin})}$ | | |
| CUL | Units | |
| 104 | mg/kg | |
| Variable | Unit | Value |
| Psb robin | Unitless | 0.52 |
| FIR robin | kg dry food / kg body weight - day | 0.207 |
| SIR robin | kg dry soil / kg body weight - day | 0.0215 |
| RGAF robin | Unitless (Table 749-5) | 1 |
| T robin | mg/kg - day (Eco SSL - EPA March 2005) | 2.24 |
| Home Range | Acres | 0.6 |
| BAF worm | mg/kg worm / mg/kg soil (Table 749-5 footnote a) | 0.0004 |

Notes:
Psb Proportion of contaminated food in diet
FIR Food ingestion rate
SIR Soil ingestion rate
RGAF Gut Absorption Factor
T Toxicity Reference Value from Ecological Screening Levels for Arsenic, US EPA, March 2005
BAF Site Specific Bioaccumulation Factor

**Cleanup Level for Mammalian Predator (Shrew)
Equation in Table 749-4**

| | | |
|---|--|--------------|
| Soil CUL = $\frac{T \text{ shrew}}{FIR \text{ shrew} \times P \text{sb shrew} \times BAF \text{ worm} + (SIR \text{ shrew} \times RGAF \text{ shrew})}$ | | |
| CUL | Units | |
| 412 | mg/kg | |
| Variable | Unit | Value |
| T shrew | mg/kg - day (Table 749-5) | 1.89 |
| FIR shrew | kg dry food / kg body weight - day | 0.45 |
| Psb shrew | unitless | 0.5 |
| BAF worm | mg/kg worm / mg/kg soil (Table 749-5 footnote a) | 0.0004 |
| SIR shrew | kg dry soil / kg body weight - day | 0.0045 |
| RGAF shrew | Unitless (chemical specific-As) | 1 |

Notes:
T Toxicity Reference Value
FIR Food ingestion rate
P Proportion of contaminated food in diet
BAF Bioaccumulation factor
SIR Soil ingestion rate
RGAF Gut Absorption Factor
BAF Site Specific Bioaccumulation Factor

**TEE Site-Specific CUL Protective of Plants
(from bioassay analyses)**

| | |
|-----------|--------------|
| CUL | Units |
| 25 | mg/kg |

**TEE Site-Specific CUL Protective of Soil Biota
(Table 749-3)**

| | |
|-----------|--------------|
| CUL | Units |
| 25 | mg/kg |

BAF

| | | |
|------------------------|----------------------|--------|
| Starting Concentration | Tissue Concentration | BAF |
| 76 | 0.03 | 0.0004 |

**Attachment D
Boring Logs**

| | | | |
|--|--|--|--|
| SITE ADDRESS I-90 MM 80 | | CLIENT: Kenan Advantage | |
| DRILLING CONTRACTOR: ESN | | PROJECT #: 71201 | |
| DRILLING EQUIPMENT: Power Probe 9500 | | DATE: 2/3/16 | |
| DRILLING METHOD: DPT | | GROUND SURFACE ELEV. FT AMSL: Not Measured | DECOMMISSIONING MATERIAL: Bentonite/Concrete |
| LOGGED BY: J. Sherrod | | TOTAL DEPTH: 16' | BOREHOLE SIZE: 2" |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|---|-----------------------|-----------|----------|-------|-------|
| 0 | SP | POORLY-GRADED SAND WITH GRAVEL; reddish brown; medium dense; mostly fine sand with some gravel | 0 | 980 | DP-1: 4 | | |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | End of Borehole | | 5.2 | DP-1: 16 | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES: 12'-16' was from another borehole approx 6" to the west of original borehole



SITE ADDRESS

I-90 MM 80

CLIENT:

Kenan Advantage

DRILLING CONTRACTOR:

ESN

PROJECT #:

71201

DRILLING EQUIPMENT:

Power Probe 9500

DATE:

2/3/16

DRILLING METHOD:

DPT

GROUND SURFACE ELEV. FT AMSL:

Not Measured

DECOMMISSIONING MATERIAL:

Bentonite/Concrete

LOGGED BY:

J. Sherrod

TOTAL DEPTH:

12'

BOREHOLE SIZE:

2"

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes | | |
|--------------|------|---|--------------------------|-----------------|---------|------------|-------|--|--|
| 0 | | Asphalt Surface | | | | | | | |
| 1 | SP | POORLY-GRADED SAND WITH GRAVEL; brown to reddish brown; medium dense; mostly fine sand with gravel lenses | 30 | 1100 | DP-2: 4 | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | 40 | | 485 | DP-2: 8 | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | 60 | | 4.5 | DP-2: 11.5 | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | End of Borehole | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |
| 16 | | | | | | | | | |
| 17 | | | | | | | | | |
| 18 | | | | | | | | | |
| 19 | | | | | | | | | |
| 20 | | | | | | | | | |

NOTES:



SITE ADDRESS

I-90 MM 80

CLIENT:

Kenan Advantage

DRILLING CONTRACTOR:

ESN

PROJECT #:

71201

DRILLING EQUIPMENT:

Power Probe 9500

DATE:

2/3/16

DRILLING METHOD:

DPT

GROUND SURFACE ELEV. FT AMSL:

Not Measured

DECOMMISSIONING MATERIAL:

Bentonite/Concrete

LOGGED BY:

J. Sherrod

TOTAL DEPTH:

12'

BOREHOLE SIZE:

2"

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|---|-----------------------|-----------|----------|-------|-------|
| 0 | | Asphalt Surface | | | | | |
| 1 | SP | POORLY-GRADED SAND WITH GRAVEL; brown; medium dense; mostly sand with some gravel | | | | | |
| 2 | | | 80 | | | | |
| 3 | | POORLY-GRADED GRAVEL WITH SAND; brown to gray; dense; mostly gravel with some sand | | 79.8 | DP-3: 3 | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | 80 | | | | |
| 7 | GP | | | 0.7 | | | |
| 8 | | | | 745 | DP-3: 8 | | |
| 9 | | | | | | | |
| 10 | | | 90 | | | | |
| 11 | | | | | | | |
| 12 | | End of Borehole | | 3.9 | DP-3: 12 | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:

SITE ADDRESS

I-90 MM 80

CLIENT:

Kenan Advantage

DRILLING CONTRACTOR:

ESN

PROJECT #:

71201

DRILLING EQUIPMENT:

Power Probe 9500

DATE:

2/3/16

DRILLING METHOD:

DPT

GROUND SURFACE ELEV. FT AMSL:

Not Measured

DECOMMISSIONING MATERIAL:

Bentonite/Concrete

LOGGED BY:

J. Sherrod

TOTAL DEPTH:

12'

BOREHOLE SIZE:

2"

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|---|-----------------------|-----------|----------|-------|-------|
| 0 | | Asphalt Surface | | | | | |
| 1 | | POORLY-GRADED SAND WITH GRAVEL; reddish brown; dense; mostly sand with gravel lenses | 60 | 792 | | | |
| 2 | SP | | | | | | |
| 3 | | POORLY-GRADED GRAVEL WITH SAND; reddish brown; dense; mostly gravel with some sand | 100 | 1276 | DP-4: 4 | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | End of Borehole | 90 | 11.4 | DP-4: 8 | | |
| 8 | GP | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | End of Borehole | 4.9 | | DP-4: 12 | | |
| 12 | | | | | | | |
| 13 | | End of Borehole | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:



SITE ADDRESS

1-90 MM 80

CLIENT:

Kenan Advantage

DRILLING CONTRACTOR:

ESN

PROJECT #:

71201

DRILLING EQUIPMENT:

Power Probe 9500

DATE:

2/3/16

DRILLING METHOD:

DPT

GROUND SURFACE ELEV. FT AMSL:

Not Measured

DECOMMISSIONING MATERIAL:

Bentonite/Concrete

LOGGED BY:

J. Sherrod

TOTAL DEPTH:

12'

BOREHOLE SIZE:

2"

| Depth (feet) | USCS | Description | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|---|-----------------------|-----------|----------|-------|-------|
| 0 | | Asphalt/Gravel Pack | | | | | |
| 1 | | POORLY-GRADED SAND WITH GRAVEL; grey to brown; medium dense; damp; mostly sand with some gravel | | | | | |
| 2 | SP | | 40 | | | | |
| 3 | | | | | | | |
| 4 | | Increasing gravel | | 32.3 | DP-5: 4 | | |
| 5 | | | | | | | |
| 6 | | POORLY-GRADED GAVEL WITH SAND;reddish brown; dense; damp; mostly gravel with some sand | 100 | | | | |
| 7 | | | | 0.2 | | | |
| 8 | GP | | | 3.5 | DP-5: 8 | | |
| 9 | | | | | | | |
| 10 | | | 100 | 0.7 | | | |
| 11 | SP | | | | | | |
| 12 | | POORLY-GRADED SAND WITH GRAVEL; black; less dense; mostly sand with trace gravel | | 1.2 | DP-5: 12 | | |
| 13 | | End of Borehole | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:

SITE ADDRESS

I-90 MM 80

CLIENT:

Kenan Advantage

DRILLING CONTRACTOR:

ESN

PROJECT #:

71201

DRILLING EQUIPMENT:

Power Probe 9500

DATE:

2/3/16

DRILLING METHOD:

DPT

GROUND SURFACE ELEV. FT AMSL:

Not Measured

DECOMMISSIONING MATERIAL:

Bentonite/Concrete

LOGGED BY:

J. Sherrod

TOTAL DEPTH:

12'

BOREHOLE SIZE:

2"

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|-----------------|---|-----------------------|-----------|----------|-------|-------|
| 0 | SP | POORLY-GRADED SAND WITH GRAVEL; grey to brown; medium dense; dry; mostly sand with some gravel | 50 | 9 | DP-6: 4 | | |
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | GP | POORLY-GRADED GRAVEL WITH SAND; red to brown; dense; damp; mostly gravel with some sand | 100 | 0.4 | DP-6: 8 | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | End of Borehole | | | 1.6 | DP-6: 12 | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:

SITE ADDRESS

I-90 MM 80

CLIENT:

Kenan Advantage

DRILLING CONTRACTOR:

ESN

PROJECT #:

71201

DRILLING EQUIPMENT:

Power Probe 9500

DATE:

2/3/16

DRILLING METHOD:

DPT

GROUND SURFACE ELEV. FT AMSL:

Not Measured

DECOMMISSIONING MATERIAL:

Bentonite/Concrete

LOGGED BY:

J. Sherrod

TOTAL DEPTH:

12'

BOREHOLE SIZE:

2"

| Depth (feet) | USCS | Description | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|---|-----------------------|-----------|----------|-------|-------|
| 0 | | Asphalt | | | | | |
| 1 | | POORLY-GRADED SAND WITH GRAVEL; brown to grey; damp; medium dense; mostly sand with gravel lenses | | | | | |
| 2 | | | 80 | | | | |
| 3 | | | | 0.3 | | | |
| 4 | SP | | | 1.7 | DP-7: 4 | | |
| 5 | | | | | | | |
| 6 | | | 100 | | | | |
| 7 | | | | | | | |
| 8 | | POORLY-GRADED GRAVEL WITH SAND; grey; damp; dense; mostly gravel with some sand | | 0.5 | DP-7: 8 | | |
| 9 | GP | | | | | | |
| 10 | | | 100 | | | | |
| 11 | | | | | | | |
| 12 | SP | POORLY-GRADED SAND; black; damp; medium dense; mostly sand with trace gravel End of Borehole | | 1.2 | DP-7: 12 | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:

SITE ADDRESS

I-90 MM 80

CLIENT:

Kenan Advantage

DRILLING CONTRACTOR:

ESN

PROJECT #:

71201

DRILLING EQUIPMENT:

Power Probe 9500

DATE:

2/3/16

DRILLING METHOD:

DPT

GROUND SURFACE ELEV. FT AMSL:

Not Measured

DECOMMISSIONING MATERIAL:

Bentonite/Concrete

LOGGED BY:

J. Sherrod

TOTAL DEPTH:

12'

BOREHOLE SIZE:

2"

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|---|-----------------------|-----------|----------|-------|-------|
| 0 | | Asphalt | | | | | |
| 1 | SP | POORLY-GRADED SAND WITH GRAVEL; gray to brown; damp; dense; mostly sand with minor gravel | 50 | 6.3 | DP-8: 4 | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | GP | POORLY-GRADED GRAVEL WITH SAND; brown; damp; dense; mostly gravel with some sand | 95 | 0.4 | DP-8: 8 | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | 100 | | | | |
| 11 | | | | | | | |
| 12 | | End of Borehole | | 0.7 | DP-8: 12 | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:



SITE ADDRESS

I-90 MM 80

CLIENT:

Kenan Advantage

DRILLING CONTRACTOR:

ESN

PROJECT #:

71201

DRILLING EQUIPMENT:

Powet Probe 9500

DATE:

2/4/2016

DRILLING METHOD:

DPT

GROUND SURFACE ELEV. FT AMSL:

Not Measured

DECOMMISSIONING MATERIAL:

Bentonite/Concrete

LOGGED BY:

J. Sherrod

TOTAL DEPTH:

12'

BOREHOLE SIZE:

2"

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|---|-----------------------|-----------|----------|-------|-------|
| 0 | | Asphalt | | | | | |
| 1 | SP | POORLY GRADED SAND WITH GRAVEL; brown to tan; medium dense; damp; mostly sand with some gravel | 50 | 61.2 | DP-9: 2 | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | 512.6 | DP-9: 4 | | | |
| 5 | | | | | | | |
| 6 | | | 95 | | | | |
| 7 | | | | | | | |
| 8 | | | 4.5 | DP-9: 7.5 | | | |
| 9 | | | | | | | |
| 10 | | | 100 | | | | |
| 11 | | | | | | | |
| 12 | | End of Borehole | | 2 | DP-9: 12 | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:



SITE ADDRESS

I-90 MM 80

CLIENT:

Kenan Advantage

DRILLING CONTRACTOR:

ESN

PROJECT #:

71201

DRILLING EQUIPMENT:

Power Probe 9500

DATE:

2/4/2016

DRILLING METHOD:

DPT

GROUND SURFACE ELEV. FT AMSL:

Not Measured

DECOMMISSIONING MATERIAL:

Bentonite/Concrete

LOGGED BY:

J. Sherrod

TOTAL DEPTH:

12'

BOREHOLE SIZE:

2"

| Depth (feet) | USCS | Description | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|--|-----------------------|-----------|-----------|----------|-------|
| 0 | | Asphalt/Sand Pack | | | | | |
| 1 | | | | | | | |
| 2 | | POORLY-GRADED SAND WITH GRAVEL; grey to reddish brown; medium dense; damp; mostly sand with minor gravel | 90 | | | | |
| 3 | | | | 32.4 | DP-10: 3 | | |
| 4 | | | | | 358 | DP-10: 4 | |
| 5 | | | | | | | |
| 6 | | | | 100 | | | |
| 7 | SP | | | | | | |
| 8 | | | | 5.3 | DP-10: 8 | | |
| 9 | | | | | | | |
| 10 | | | 100 | | | | |
| 11 | | | | | | | |
| 12 | | End of Borehole | | 0.4 | DP-10: 12 | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:

| | | | |
|--|--|--|--|
| SITE ADDRESS I-90 MM 80 | | CLIENT: Kenan Advantage | |
| DRILLING CONTRACTOR: ESN | | PROJECT #: 71201 | |
| DRILLING EQUIPMENT: Powet Probe 9500 | | DATE: 2/4/2016 | |
| DRILLING METHOD: DPT | | GROUND SURFACE ELEV. FT AMSL: Not Measured | DECOMMISSIONING MATERIAL: Bentonite/Concrete |
| LOGGED BY: J. Sherrod | | TOTAL DEPTH: 12' | BOREHOLE SIZE: 2" |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|---|-----------------------|-----------|-----------|-------|-------|
| 0 | | Asphalt/Sand Pack | | | | | |
| 1 | | POORLY-GRADED SAND WITH GRAVEL; gray; medium dense to dense; damp; mostly sand with some gravel | 50 | 12 | DP-11: 2 | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | SP | Gravel lense | 100 | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | End of Borehole | 100 | 74.8 | DP-11: 8 | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | 2.6 | DP-11: 12 | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:

SITE ADDRESS

I-90 MM 80

CLIENT:

Kenan Advantage

DRILLING CONTRACTOR:

ESN

PROJECT #:

71201

DRILLING EQUIPMENT:

Powert Probe 9500

DATE:

2/4/2016

DRILLING METHOD:

DPT

GROUND SURFACE ELEV. FT AMSL:

Not Measured

DECOMMISSIONING MATERIAL:

Bentonite/Concrete

LOGGED BY:

J. Sherrod

TOTAL DEPTH:

12'

BOREHOLE SIZE:

2"

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|--|--------------------------|--------------|------------|-------|-------|
| 0 | | Asphalt/Sand Pack | | | | | |
| 1 | | POORLY-GRADED SAND WITH GRAVEL; brown to gray; dense; damp; mostly sand with some gravel | 80 | 32.4 | DP-12: 3 | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | 225.7 | DP-12: 4.5 | | |
| 5 | | | | | | | |
| 6 | SP | | 100 | | | | |
| 7 | | Gravel lense | | | | | |
| 8 | | | | 10.5 | DP-12: 8 | | |
| 9 | | | | | | | |
| 10 | | | 100 | | | | |
| 11 | | | | | | | |
| 12 | | End of Borehole | | 1.2 | DP-12: 12 | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
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NOTES:

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|--|--|--|--|
| SITE ADDRESS I-90 MM 80 | | CLIENT: Kenan Advantage | |
| DRILLING CONTRACTOR: ESN | | PROJECT #: 71201 | |
| DRILLING EQUIPMENT: Powet Probe 9500 | | DATE: 2/4/2016 | |
| DRILLING METHOD: DPT | | GROUND SURFACE ELEV. FT AMSL: Not Measured | DECOMMISSIONING MATERIAL: Bentonite/Concrete |
| LOGGED BY: J. Sherrod | | TOTAL DEPTH: 12' | BOREHOLE SIZE: 2" |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes | | |
|--------------|------|---|-----------------------|-----------|----------|-------|-------|-----|-----------|
| 0 | | Asphalt/Sand Pack | | | | | | | |
| 1 | SP | POORLY-GRADED SAND WITH GRAVEL; gray to reddish brown; damp; medium dense; mostly sand with some gravel | 50 | 14.5 | DP-13: 2 | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | 2.1 | DP-13: 4 |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | 0.9 | DP-13: 7 |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | 80 | |
| 11 | | | | | | | | 0.6 | DP-13: 11 |
| 12 | | End of Borehole | | | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |
| 16 | | | | | | | | | |
| 17 | | | | | | | | | |
| 18 | | | | | | | | | |
| 19 | | | | | | | | | |
| 20 | | | | | | | | | |

NOTES:



SITE ADDRESS

I-90 MM 80

CLIENT:

Kenan Advantage

DRILLING CONTRACTOR:

ESN

PROJECT #:

71201

DRILLING EQUIPMENT:

Powert Probe 9500

DATE:

2/4/2016

DRILLING METHOD:

DPT

GROUND SURFACE ELEV. FT AMSL:

Not Measured

DECOMMISSIONING MATERIAL:

Bentonite/Concrete

LOGGED BY:

J. Sherrod

TOTAL DEPTH:

12'

BOREHOLE SIZE:

2"

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|---|-----------------------|-----------|-----------|----------|-------|
| 0 | | Asphalt/Sand Pack | | | | | |
| 1 | | POORLY-GRADED SAND WITH GRAVEL; gray; damp; mostly sand with some gravel SP | | | | | |
| 2 | | | 50 | 0.2 | | | |
| 3 | | | | | | | |
| 4 | | | | | 5.7 | DP-14: 4 | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | 0.9 | | |
| 8 | | | | | 6.7 | DP-14: 8 | |
| 9 | | | | | | | |
| 10 | | | | 100 | | | |
| 11 | | | | | | | |
| 12 | | End of Borehole | | 0.8 | DP-14: 12 | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:



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|--|--|--|--|
| SITE ADDRESS I-90 MM 80 | | CLIENT: Kenan Advantage | |
| DRILLING CONTRACTOR: ESN | | PROJECT #: 71201 | |
| DRILLING EQUIPMENT: Powet Probe 9500 | | DATE: 2/4/2016 | |
| DRILLING METHOD: DPT | | GROUND SURFACE ELEV. FT AMSL: Not Measured | DECOMMISSIONING MATERIAL: Bentonite/Concrete |
| LOGGED BY: J. Sherrod | | TOTAL DEPTH: 12' | BOREHOLE SIZE: 2" |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|---|-----------------------|-----------|-----------|-------|-------|
| 0 | | Asphalt/Sand Pack | | | | | |
| 1 | | POORLY-GRADED SAND WITH GRAVEL; damp; gray to brown; mostly sand with trace gravel | 80 | 0.6 | DP-15: 4 | | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | SP | | | | | | |
| 5 | | | 100 | 0.7 | DP-15: 8 | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | POORLY-GRADED GRAVEL WITH SAND; dry; brown to grey; medium dense; mostly gravel with some sand | 100 | 5.8 | DP-15: 12 | | |
| 10 | GP | | | | | | |
| 11 | | | | | | | |
| 12 | | End of Borehole | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:



SITE ADDRESS

I-90 MM 80

CLIENT:

Kenan Advantage

DRILLING CONTRACTOR:

ESN

PROJECT #:

71201

DRILLING EQUIPMENT:

AMS Power Probe 9500

DATE:

2/10/16

DRILLING METHOD:

DPT

GROUND SURFACE ELEV. FT AMSL:

Not Measured

DECOMMISSIONING MATERIAL:

Bentonite/Concrete

LOGGED BY:

M. Mogg

TOTAL DEPTH:

16'

BOREHOLE SIZE:

2"

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|---|-----------------------|-----------|------------|-------|-------|
| 0 | | Concrete surface | | | | | |
| 1 | | POORLY-GRADED SAND WITH GRAVEL; reddish brown; mostly fine sand with some gravel | | | | | |
| 2 | | | 50 | | | | |
| 3 | | | | | | | |
| 4 | | | | 8.9 | DPT-16: 4 | | |
| 5 | | | | | | | |
| 6 | | | 75 | 16.4 | | | |
| 7 | | | | | | | |
| 8 | SP | | | 19.3 | DPT-16: 8 | | |
| 9 | | | | | | | |
| 10 | | | 60 | | | | |
| 11 | | | | | | | |
| 12 | | | | 5.5 | DPT-16: 12 | | |
| 13 | | | | | | | |
| 14 | | | 100 | | | | |
| 15 | | | | | | | |
| 16 | | End of Borehole | | 7.9 | DPT-16: 16 | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:



SITE ADDRESS

I-90 MM 80

CLIENT:

Kenan Advantage

DRILLING CONTRACTOR:

ESN

PROJECT #:

71201

DRILLING EQUIPMENT:

AMS Power Probe 9500

DATE:

2/10/16

DRILLING METHOD:

DPT

GROUND SURFACE ELEV. FT AMSL:

Not Measured

DECOMMISSIONING MATERIAL:

Bentonite/Concrete

LOGGED BY:

M. Mogg

TOTAL DEPTH:

16'

BOREHOLE SIZE:

2"

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|---|-----------------------|-----------|------------|-------|-------|
| 0 | | Concrete surface | | | | | |
| 1 | | POORLY-GRADED SAND WITH GRAVEL; reddish brown; damp; some gravel | | | | | |
| 2 | | | 50 | | | | |
| 3 | | | | | | | |
| 4 | | | | 917 | DPT-17: 4 | | |
| 5 | | | | | | | |
| 6 | | | 60 | | | | |
| 7 | | | | | | | |
| 8 | SP | | | 6 | DPT-17: 8 | | |
| 9 | | | | | | | |
| 10 | | | 80 | | | | |
| 11 | | | | | | | |
| 12 | | | | 50.5 | DPT-17: 12 | | |
| 13 | | | | | | | |
| 14 | | | 50 | | | | |
| 15 | | | | | | | |
| 16 | | End of Borehole | | 10.4 | DPT-17: 16 | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:



SITE ADDRESS

I-90 MM 80

CLIENT:

Kenan Advantage

DRILLING CONTRACTOR:

ESN

PROJECT #:

71201

DRILLING EQUIPMENT:

AMS Power Probe 9500

DATE:

2/10/16

DRILLING METHOD:

DPT

GROUND SURFACE ELEV. FT AMSL:

Not Measured

DECOMMISSIONING MATERIAL:

Bentonite/Concrete

LOGGED BY:

M. Mogg

TOTAL DEPTH:

16'

BOREHOLE SIZE:

2"

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|--|--------------------------|--------------|------------|-------|-------|
| 0 | | Concrete surface | | | | | |
| 1 | | POORLY-GRADED SAND WITH GRAVEL; reddish brown; damp; some gravel | | | | | |
| 2 | | | 60 | | | | |
| 3 | | | | | | | |
| 4 | | | | 42.5 | DPT-18: 4 | | |
| 5 | | | | | | | |
| 6 | | | 75 | | | | |
| 7 | | | | | | | |
| 8 | SP | | | 7 | DPT-18: 8 | | |
| 9 | | | | | | | |
| 10 | | | 75 | | | | |
| 11 | | | | | | | |
| 12 | | | | 2.9 | DPT-18: 12 | | |
| 13 | | | | | | | |
| 14 | | | 50 | | | | |
| 15 | | | | | | | |
| 16 | | End of Borehole | | 3.7 | DPT-18: 16 | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:



SITE ADDRESS

I-90 MM 80

CLIENT:

Kenan Advantage

DRILLING CONTRACTOR:

ESN

PROJECT #:

71201

DRILLING EQUIPMENT:

AMS Power Probe 9500

DATE:

2/10/16

DRILLING METHOD:

DPT

GROUND SURFACE ELEV. FT AMSL:

Not Measured

DECOMMISSIONING MATERIAL:

Bentonite/Concrete

LOGGED BY:

M. Mogg

TOTAL DEPTH:

16'

BOREHOLE SIZE:

2"

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|---|-----------------------|-----------|------------|-------|-------|
| 0 | | Concrete surface | | | | | |
| 1 | | POORLY-GRADED SAND WITH GRAVEL; reddish brown; damp; minor gravel | | | | | |
| 2 | | | 50 | | | | |
| 3 | | | | | | | |
| 4 | | Some gravel @ 4' | | 0.4 | DPT-19: 4 | | |
| 5 | | | | | | | |
| 6 | | | 90 | | | | |
| 7 | | | | | | | |
| 8 | SP | | | 0.4 | DPT-19: 8 | | |
| 9 | | | | | | | |
| 10 | | | 90 | | | | |
| 11 | | | | | | | |
| 12 | | | | 0.3 | DPT-19: 12 | | |
| 13 | | | | | | | |
| 14 | | | 50 | | | | |
| 15 | | | | | | | |
| 16 | | End of Borehole | | 0.2 | DPT-19: 16 | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:

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|--|--|--|
| SITE ADDRESS I-90 MM 80 | | CLIENT: Kenan Advantage |
| DRILLING CONTRACTOR: ESN | | PROJECT #: 71201 |
| DRILLING EQUIPMENT: AMS Power Probe 9500 | | DATE: 2/10/16 |
| DRILLING METHOD: DPT | GROUND SURFACE ELEV. FT AMSL: Not Measured | DECOMMISSIONING MATERIAL: Bentonite/Concrete |
| LOGGED BY: M. Mogg | TOTAL DEPTH: 16' | BOREHOLE SIZE: 2" |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|---|-----------------------|-----------|------------|-------|-------|
| 0 | | Concrete surface | | | | | |
| 1 | | POORLY-GRADED SAND WITH GRAVEL; reddish brown; damp; minor gravel | | | | | |
| 2 | | | 50 | | | | |
| 3 | | | | | | | |
| 4 | | | | 0 | DPT-20: 4 | | |
| 5 | | | | | | | |
| 6 | | | 90 | | | | |
| 7 | | | | | | | |
| 8 | SP | | | 0 | DPT-20: 8 | | |
| 9 | | | | | | | |
| 10 | | | 90 | | | | |
| 11 | | | | | | | |
| 12 | | | | 0 | DPT-20: 12 | | |
| 13 | | | | | | | |
| 14 | | | 30 | | | | |
| 15 | | | | | | | |
| 16 | | End of Borehole | | 0.3 | DPT-20: 16 | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:



SITE ADDRESS

I-90 MM 80

CLIENT:

Kenan Advantage

DRILLING CONTRACTOR:

ESN

PROJECT #:

71201

DRILLING EQUIPMENT:

AMS Power Probe 9500

DATE:

2/10/16

DRILLING METHOD:

DPT

GROUND SURFACE ELEV. FT AMSL:

Not Measured

DECOMMISSIONING MATERIAL:

Bentonite/Concrete

LOGGED BY:

M. Mogg

TOTAL DEPTH:

16'

BOREHOLE SIZE:

2"

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|---|-----------------------|-----------|------------|-------|-------|
| 0 | | Concrete surface | | | | | |
| 1 | | POORLY-GRADED SAND WITH GRAVEL; reddish brown; damp; minor gravel | | | | | |
| 2 | | | 60 | | | | |
| 3 | | | | | | | |
| 4 | | | | 8 | DPT-21: 4 | | |
| 5 | | | | | | | |
| 6 | | | 70 | | | | |
| 7 | | Some gravel | | | | | |
| 8 | SP | | | 97.5 | DPT-21: 8 | | |
| 9 | | | | | | | |
| 10 | | | 60 | | | | |
| 11 | | | | | | | |
| 12 | | | | 4 | DPT-21: 12 | | |
| 13 | | | | | | | |
| 14 | | | 50 | | | | |
| 15 | | | | | | | |
| 16 | | End of Borehole | | 3.3 | DPT-21: 16 | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:



SITE ADDRESS

I-90 MM 80

CLIENT:

Kenan Advantage

DRILLING CONTRACTOR:

ESN

PROJECT #:

71201

DRILLING EQUIPMENT:

AMS Power Probe 9500

DATE:

2/10/16

DRILLING METHOD:

DPT

GROUND SURFACE ELEV. FT AMSL:

Not Measured

DECOMMISSIONING MATERIAL:

Bentonite/Concrete

LOGGED BY:

M. Mogg

TOTAL DEPTH:

16'

BOREHOLE SIZE:

2"

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|--|--------------------------|--------------|-----------|-------|-------|
| 0 | | Concrete surface | | | | | |
| 1 | | POORLY-GRADED SAND WITH GRAVEL; reddish brown; damp; some gravel | | | | | |
| 2 | | | 50 | | | | |
| 3 | | | | | | | |
| 4 | | | | 219 | DPT-22:4 | | |
| 5 | | | | | | | |
| 6 | | | 50 | | | | |
| 7 | | | | | | | |
| 8 | SP | | | 4 | DPT-22:8 | | |
| 9 | | | | | | | |
| 10 | | | 80 | | | | |
| 11 | | | | | | | |
| 12 | | | | 59.2 | DPT-22:12 | | |
| 13 | | | | | | | |
| 14 | | | 20 | | | | |
| 15 | | | | | | | |
| 16 | | End of Borehole | | 13.6 | DPT-22:16 | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:



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|--|--|--|--|
| SITE ADDRESS I-90 MM 80 | | CLIENT: Kenan Advantage | |
| DRILLING CONTRACTOR: ESN | | PROJECT #: 71201 | |
| DRILLING EQUIPMENT: AMS Power Probe 9500 | | DATE: 2/10/16 | |
| DRILLING METHOD: DPT | | GROUND SURFACE ELEV. FT AMSL: Not Measured | DECOMMISSIONING MATERIAL: Bentonite/Concrete |
| LOGGED BY: M. Mogg | | TOTAL DEPTH: 16' | BOREHOLE SIZE: 2" |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Sheen | Notes |
|--------------|------|---|-----------------------|-----------|------------|-------|-------|
| 0 | | Concrete surface | | | | | |
| 1 | | POORLY-GRADED SAND WITH GRAVEL; reddish brown; damp; minor gravel | | | | | |
| 2 | | | 60 | 1200 | | | |
| 3 | | | | | | | |
| 4 | | | | 109.2 | DPT-23: 4 | | |
| 5 | | | | | | | |
| 6 | | | 60 | | | | |
| 7 | | | | | | | |
| 8 | SP | | | 57.9 | DPT-23: 8 | | |
| 9 | | | | | | | |
| 10 | | | 100 | | | | |
| 11 | | | | | | | |
| 12 | | | | 6.5 | DPT-23: 12 | | |
| 13 | | | | | | | |
| 14 | | Trace gravel @ 14' | 50 | | | | |
| 15 | | | | | | | |
| 16 | | End of Borehole | | 1.3 | DPT-23: 16 | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |

NOTES:



| | | | |
|---|-----------------------------|--|---|
| SITE ADDRESS I-90 MM 80 | | CLIENT: Kenan Advantage | CASING MATERIAL AND SIZE: 2" SCH 40 PVC |
| DRILLING CONTRACTOR: Holocene | | PROJECT #: 71201 | SCREEN SIZE: 0.010" - slot |
| DRILLING EQUIPMENT: Geoprobe 8140LC | | DATE: 12/9/15 | SCREEN INTERVAL: 5'-15' |
| DRILLING METHOD: Sonic | | GROUND SURFACE ELEV. FT AMSL: Not Measured | FILTER PACK: Silica Sand |
| LOGGED BY: B. Miles L.G. | BOREHOLE SIZE: 2" | TOTAL DEPTH: 15 fbg | FILTER PACK INTERVAL: 4' to 15' |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Well Construction |
|--------------|--------|--|-----------------------|-----------|----------|--------------------|
| 0 | | WELL-GRADED GRAVEL; brown; damp; dense; no odor; no staining | | 0 | | Flush monument |
| 1 | GW | | | | | |
| 2 | | POORLY-GRADED SAND WITH SILT; brown; damp; dense; fine grain with gravel and cobbles; no odor; no staining | 10 | | | Bentonite |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | SP, SM | | | | | |
| 6 | | | | 0 | MW-1: 6 | |
| 7 | | | | | | |
| 8 | | | 30 | | | |
| 9 | | | | | | |
| 10 | | WELL-GRADED GRAVEL WITH SAND; brown; dense; moist; no odor; no staining; trace silt | | | | Sand |
| 11 | | | | | | |
| 12 | GW | | | 4 | MW-1: 13 | 0.010"-Slot screen |
| 13 | | | 70 | | | |
| 14 | | | | | | |
| 15 | | End of Borehole | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |

NOTES: DTW ~ 9 fbg (tape measure + visible standing water in drill casing)



| | | | |
|---|-----------------------------|--|---|
| SITE ADDRESS I-90 MM 80 | | CLIENT: Kenan Advantage | CASING MATERIAL AND SIZE: 2" SCH 40 PVC |
| DRILLING CONTRACTOR: Holocene | | PROJECT #: 71201 | SCREEN SIZE: 0.010" - slot |
| DRILLING EQUIPMENT: Geoprobe 8140LC | | DATE: 12/9/15 | SCREEN INTERVAL: 5'-15' |
| DRILLING METHOD: Sonic | | GROUND SURFACE ELEV. FT AMSL: Not Measured | FILTER PACK: Silica Sand |
| LOGGED BY: B. Miles L.G. | BOREHOLE SIZE: 2" | TOTAL DEPTH: 15 fbg | FILTER PACK INTERVAL: 4' to 15' |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Well Construction |
|--------------|-----------|---|-----------------------|-----------|-----------|--------------------|
| 0 | | WELL-GRADED GRAVEL; brown; damp; dense; no odor; no staining | | | | Flush monument |
| 1 | | | | | | |
| 2 | | | 50 | 0.4 | MW-2: 2.5 | Bentonite |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | GW | Wet @ 7.5' | 60 | 0.4 | MW-2: 7 | |
| 9 | | | | | | |
| 10 | | | | 0.3 | | Sand |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | 90 | 1 | | 0.010"-Slot screen |
| 14 | | | | | | |
| 15 | | End of Borehole | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |

NOTES: DTW ~ 10.5 fbg



| | | | |
|---|-----------------------------|--|---|
| SITE ADDRESS I-90 MM 80 | | CLIENT: Kenan Advantage | CASING MATERIAL AND SIZE: 2" SCH 40 PVC |
| DRILLING CONTRACTOR: Holocene | | PROJECT #: 71201 | SCREEN SIZE: 0.010" - slot |
| DRILLING EQUIPMENT: Geoprobe 8140LC | | DATE: 12/10/15 | SCREEN INTERVAL: 3'-8' |
| DRILLING METHOD: Sonic | | GROUND SURFACE ELEV. FT AMSL: Not Measured | FILTER PACK: Silica Sand |
| LOGGED BY: B. Miles L.G. | BOREHOLE SIZE: 2" | TOTAL DEPTH: 8 fbg | FILTER PACK INTERVAL: 2.5' to 5' |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Well Construction |
|--------------|------|--|-----------------------|-----------|-----------|-------------------|
| 0 | SP | POORLY-GRADED SAND WITH GRAVEL; brown; moist; dense; mostly fine grained sand; no odor; no staining Wet @ 3.5' | 100 | 0 | MW-3: 2.5 | |
| 1 | | | | 0 | | |
| 2 | | | | 0 | | |
| 3 | | | | 0 | | |
| 4 | | | 100 | 0 | MW-3: 5 | |
| 5 | | | 0 | | | |
| 6 | | | 0 | | | |
| 7 | | | 0 | | | |
| 8 | | End of Borehole | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |

NOTES: DTW ~ 3.2 fbg



| | | | |
|---|-----------------------------|--|---|
| SITE ADDRESS I-90 MM 80 | | CLIENT: Kenan Advantage | CASING MATERIAL AND SIZE: 2" SCH 40 PVC |
| DRILLING CONTRACTOR: Holocene | | PROJECT #: 71201 | SCREEN SIZE: 0.010" - slot |
| DRILLING EQUIPMENT: Geoprobe 8140LC | | DATE: 12/10/15 | SCREEN INTERVAL: 3'-8' |
| DRILLING METHOD: Sonic | | GROUND SURFACE ELEV. FT AMSL: Not Measured | FILTER PACK: Silica Sand |
| LOGGED BY: B. Miles L.G. | BOREHOLE SIZE: 2" | TOTAL DEPTH: 10 fbg | FILTER PACK INTERVAL: 2.5' to 8' |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Well Construction |
|--------------|------|---|-----------------------|-----------|---------|----------------------------|
| 0 | | WET COBBLES; no soil; no sample | | | | Stick up monument |
| 1 | | | | 0.4 | | Bentonite |
| 2 | | | 10 | | | |
| 3 | | | | | | |
| 4 | | No recovery due to loose cobbels | | | | |
| 5 | | | | 0 | MW-4: 5 | |
| 6 | | WELL-GRADED GRAVEL WITH SAND; brown; wet; dense; no odor; no staining | | | | |
| 7 | | | | | | |
| 8 | GW | | 30 | | | Sand 0.010"-Slot screen |
| 9 | | | | | | |
| 10 | | No Recovery, pushing large cobbles End of Borehole | | | | Native Backfill |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |

NOTES: DTW ~ 4.8 fbg

| | | | |
|---|-----------------------------|--|---|
| SITE ADDRESS I-90 MM 80 | | CLIENT: Kenan Advantage | CASING MATERIAL AND SIZE: 2" SCH 40 PVC |
| DRILLING CONTRACTOR: Holocene | | PROJECT #: 71201 | SCREEN SIZE: 0.010" - slot |
| DRILLING EQUIPMENT: Geoprobe 8140LC | | DATE: 12/10/15 | SCREEN INTERVAL: 5'-15' |
| DRILLING METHOD: Sonic | | GROUND SURFACE ELEV. FT AMSL: Not Measured | FILTER PACK: Silica Sand |
| LOGGED BY: B. Miles L.G. | BOREHOLE SIZE: 2" | TOTAL DEPTH: 15 fbg | FILTER PACK INTERVAL: 4' to 15' |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Well Construction |
|--------------|------|---|-----------------------|-----------|--------|-------------------|
| 0 | | WELL-GRADED GRAVEL WITH SAND; brown; moist; dense; no odor; no staining | 100 | 0.1 | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | End of Borehole | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |

NOTES:



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|---|-----------------------------|--|---|
| SITE ADDRESS I-90 MM 80 | | CLIENT: Kenan Advantage | CASING MATERIAL AND SIZE: 2" SCH 40 PVC |
| DRILLING CONTRACTOR: Holocene | | PROJECT #: 71201 | SCREEN SIZE: 0.010" - slot |
| DRILLING EQUIPMENT: Geoprobe 8140LC | | DATE: 12/11/15 | SCREEN INTERVAL: 10'-20' |
| DRILLING METHOD: Sonic | | GROUND SURFACE ELEV. FT AMSL: Not Measured | FILTER PACK: Silica Sand |
| LOGGED BY: B. Miles L.G. | BOREHOLE SIZE: 2" | TOTAL DEPTH: 20 fbg | FILTER PACK INTERVAL: 8' to 20' |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Well Construction |
|--------------|-------|--|-----------------------|-----------|------------|--------------------|
| 0 | | | | | | Flush monument |
| 1 | SP-SM | POORLY-GRADED SAND WITH SILT; brown; moist; dense; mostly fine grain; trace gravel; no odor; no staining | | | | |
| 2 | | WELL-GRADED GRAVEL WITH SAND; brown; moist; dense; no odor; no staining | 70 | 0 | MW-6: 2.5 | Bentonite |
| 3 | | | | | | |
| 4 | GW | | | | | |
| 5 | | | | 0.3 | | |
| 6 | | | | | | |
| 7 | SP | POORLY-GRADED SAND WITH GRAVEL; brown; moist; dense; mostly med. grain. no odor; no staining | 100 | 0.4 | MW-6: 7.5 | |
| 8 | | WELL-GRADED GRAVEL WITH SAND; brown; moist; dense; no odor; no staining | | | | |
| 9 | | | | | | |
| 10 | | | | | | Sand |
| 11 | | | | 0 | | |
| 12 | | | | | | |
| 13 | | | 100 | 0 | MW-6: 13.5 | 0.010"-Slot screen |
| 14 | GW | | | | | |
| 15 | | Wet @ 14.5' | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | 80 | 0 | | |
| 19 | | | | | | |
| 20 | | End of Borehole | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |

NOTES: DTW ~ 13 fbg

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|--|-----------------------------|--|---|
| SITE ADDRESS Cle Elum MP 80 | | CLIENT: Kenan Advantage | CASING MATERIAL AND SIZE: 2" SCH 40 PVC |
| DRILLING CONTRACTOR: Holocene | | PROJECT #: 71201 | SCREEN SIZE: 0.010" - slot |
| DRILLING EQUIPMENT: Geoprobe Sonic LAR | | DATE: 12/29/15 | SCREEN INTERVAL: 5'-15' |
| DRILLING METHOD: Sonic | | GROUND SURFACE ELEV. FT AMSL: Not Measured | FILTER PACK: Silica Sand |
| LOGGED BY: C. Mcfadden | BOREHOLE SIZE: 2" | TOTAL DEPTH: 15' | FILTER PACK INTERVAL: 4' to 15' |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Well Construction |
|--------------|------|---|-----------------------|-----------|---------|--------------------|
| 0 | | POORLY-GRADED GRAVEL WITH SILT; brown; damp; mostly gravel with minor silt | | | | Flush monument |
| 1 | | | | | | |
| 2 | | | 50 | | | Bentonite |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | 1 | MW-7:5 | |
| 6 | | | | | | |
| 7 | | Color Change to dark brown @ 7' | | | | |
| 8 | | | 75 | | | |
| 9 | | Wet; Decreased silt content @ 9' | | | | |
| 10 | | | | 1 | MW-7:10 | |
| 11 | | | | | | |
| 12 | | Minor sand content @ 12' | | | | |
| 13 | | | 75 | | | |
| 14 | | | | | | |
| 15 | | End of Borehole | | | | 0.010"-Slot screen |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
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NOTES:

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|--|-----------------------------|--|---|
| SITE ADDRESS Cle Elum MP 80 | | CLIENT: Kenan Advantage | CASING MATERIAL AND SIZE: 2" SCH 40 PVC |
| DRILLING CONTRACTOR: Holocene | | PROJECT #: 71201 | SCREEN SIZE: 0.010" - slot |
| DRILLING EQUIPMENT: Geoprobe Sonic LAR | | DATE: 12/29/15 | SCREEN INTERVAL: 4'-14' |
| DRILLING METHOD: Sonic | | GROUND SURFACE ELEV. FT AMSL: Not Measured | FILTER PACK: Silica Sand |
| LOGGED BY: C. Mcfadden | BOREHOLE SIZE: 2" | TOTAL DEPTH: 15' | FILTER PACK INTERVAL: 3' to 14' |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Well Construction |
|--------------|------|---|-----------------------|-----------|--------|-------------------|
| 0 | | WELL-GRADED GRAVEL; brown; wet; mostly fine - coarse gravel; no silt or sand; rounded gravel | 50 | 1 | MW-8:4 | Stick up monument |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | GW | | | | | |
| 4 | | WELL-GRADED GRAVEL WITH SAND; wet; brown; mostly fine-coarse gravel with minor sand; angular gravel | 50 | 1 | MW-8:4 | Bentonite |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | GW | | | | | |
| 11 | | End of Borehole | 50 | 1 | MW-8:4 | Sand |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
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| 25 | | | | | | |

NOTES:

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|--|-----------------------------|--|---|
| SITE ADDRESS Cle Elum MP 80 | | CLIENT: Kenan Advantage | CASING MATERIAL AND SIZE: 2" SCH 40 PVC |
| DRILLING CONTRACTOR: Holocene | | PROJECT #: 71201 | SCREEN SIZE: 0.010" - slot |
| DRILLING EQUIPMENT: Geoprobe Sonic LAR | | DATE: 12/29/15 | SCREEN INTERVAL: 3'-13' |
| DRILLING METHOD: Sonic | | GROUND SURFACE ELEV. FT AMSL: Not Measured | FILTER PACK: Silica Sand |
| LOGGED BY: C. Mcfadden | BOREHOLE SIZE: 2" | TOTAL DEPTH: 15' | FILTER PACK INTERVAL: 2' to 13' |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Well Construction |
|--------------|------|---|-----------------------|-----------|---------|--------------------|
| 0 | | WELL-GRADED GRAVEL; brown; wet; trace sand; rounded gravel | | | | Stick up monument |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | 75 | | | Bentonite |
| 4 | | | | 2 | MW-9: 4 | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | GW | Color change to gray; angular gravel; increased sand @ 8' | 60 | 1 | | |
| 9 | | | | | | |
| 10 | | Less moisture but still wet @ 10' | | | | Sand |
| 11 | | | | | | |
| 12 | | | 50 | | | 0.010"-Slot screen |
| 13 | | | | 1 | | |
| 14 | | | | | | |
| 15 | | End of Borehole | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |

NOTES:



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|--|-----------------------------|--|---|
| SITE ADDRESS Cle Elum MP 80 | | CLIENT: Kenan Advantage | CASING MATERIAL AND SIZE: 2" SCH 40 PVC |
| DRILLING CONTRACTOR: Holocene | | PROJECT #: 71201 | SCREEN SIZE: 0.010" - slot |
| DRILLING EQUIPMENT: Geoprobe Sonic LAR | | DATE: 12/29/15 | SCREEN INTERVAL: 4.5'-14.5' |
| DRILLING METHOD: Sonic | | GROUND SURFACE ELEV. FT AMSL: Not Measured | FILTER PACK: Silica Sand |
| LOGGED BY: C. Mcfadden | BOREHOLE SIZE: 2" | TOTAL DEPTH: 15' | FILTER PACK INTERVAL: 8.5' to 14.5' |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Well Construction |
|--------------|------|---|-----------------------|-----------|---------|--------------------|
| 0 | | POORLY-GRADED SAND; damp; brown; trace silt | | | | Stick up monument |
| 1 | | | | | | |
| 2 | SP | | 75 | 0 | | Bentonite |
| 3 | | | | | | |
| 4 | | WELL-GRADED GRAVEL; moist; brown; mostly gravel with trace fine sand | | | MW-10:4 | |
| 5 | | Wet @ 5.5' | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | 75 | | | |
| 9 | | | | 2 | MW-10:9 | |
| 10 | GW | | | | | Sand |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | 90 | 1 | | 0.010"-Slot screen |
| 14 | | | | | | |
| 15 | | End of Borehole | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |

NOTES:

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|--|-----------------------------|--|---|
| SITE ADDRESS Cle Elum MP 80 | | CLIENT: Kenan Advantage | CASING MATERIAL AND SIZE: 2" SCH 40 PVC |
| DRILLING CONTRACTOR: Holocene | | PROJECT #: 71201 | SCREEN SIZE: 0.010" - slot |
| DRILLING EQUIPMENT: Geoprobe Sonic LAR | | DATE: 12/30/15 | SCREEN INTERVAL: 4'-14' |
| DRILLING METHOD: Sonic | | GROUND SURFACE ELEV. FT AMSL: Not Measured | FILTER PACK: Silica Sand |
| LOGGED BY: C. Mcfadden | BOREHOLE SIZE: 2" | TOTAL DEPTH: 15' | FILTER PACK INTERVAL: 3' to 14' |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Well Construction |
|--------------|-----------------|---|-----------------------|-----------|---------|-------------------|
| 0 | SM-SW | WELL-GRADED SAND WITH SILT; dark brown; mostly sand with minor silt and minor gravel | 10 | 2 | MW-11:4 | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | GW | WELL-GRADED GRAVEL; ; moist; grayish-brown; trace fine sand; rounded gravel Wet @ 6' | 50 | 2 | MW-11:9 | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | End of Borehole | | | 1 | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |

NOTES:



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|--|-----------------------------|--|---|
| SITE ADDRESS I-90 MM 80 | | CLIENT: Kenan Advantage | CASING MATERIAL AND SIZE: 2" SCH 40 PVC |
| DRILLING CONTRACTOR: Holocene | | PROJECT #: 71201 | SCREEN SIZE: 0.010" - slot |
| DRILLING EQUIPMENT: Truck Mounted D-50 | | DATE: 1/19/16 | SCREEN INTERVAL: 5'-10' |
| DRILLING METHOD: HSA | | GROUND SURFACE ELEV. FT AMSL: Not Measured | FILTER PACK: Silica Sand |
| LOGGED BY: Bryan Miles L.G. | BOREHOLE SIZE: 2" | TOTAL DEPTH: 15 fbg | FILTER PACK INTERVAL: 3' to 15' |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Well Construction |
|--------------|------|---|-----------------------|-----------|-------------|--------------------|
| 0 | | WELL-GRADED GRAVEL; brown; dense | | | | Stick up monument |
| 1 | | | | | | |
| 2 | | | | | | Bentonite |
| 3 | | | 100 | | | |
| 4 | | | | | | |
| 5 | | | | 0.8 | | |
| 6 | | | | | MW-12: 6 | |
| 7 | | | | | | |
| 8 | GP | | 100 | | | |
| 9 | | | | | | |
| 10 | | | | 0.8 | | Sand |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | 0 | | | 0.010"-Slot screen |
| 14 | | | | | No Recovery | |
| 15 | | End of Borehole | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | | | | | | |
| 25 | | | | | | |

NOTES: DTW ~ 7'

| | | | |
|--|-----------------------------|--|---|
| SITE ADDRESS I-90 MM 80 | | CLIENT: Kenan Advantage | CASING MATERIAL AND SIZE: 2" SCH 40 PVC |
| DRILLING CONTRACTOR: Holt Services | | PROJECT #: 71201 | SCREEN SIZE: 0.010" - slot |
| DRILLING EQUIPMENT: Geoprobe Sonic LAR | | DATE: 3/8/16 | SCREEN INTERVAL: 10'-25' |
| DRILLING METHOD: Sonic | | GROUND SURFACE ELEV. FT AMSL: Not Measured | FILTER PACK: Silica Sand |
| LOGGED BY: C. McFadden | BOREHOLE SIZE: 2" | TOTAL DEPTH: 25 fbg | FILTER PACK INTERVAL: 8'-25' |

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Well Construction |
|--------------|------|--|--------------------------|--------------|--------|-----------------------|
| 0 | | WELL-GRADED GRAVEL; light brown; damp; mostly fine-coarse gravel with trace silt; backfill material. | | | | Flush monument |
| 1 | | | | | | |
| 2 | | | | | | Concrete |
| 3 | | | | | | |
| 4 | | | | | | Bentonite |
| 5 | | | 100 | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | Casing |
| 9 | | | | | | |
| 10 | GW | | | | | |
| 11 | | | | | | Sand |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | 100 | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | 0.3 | | 0.010"-Slot screen |
| 19 | | | | | | |
| 20 | | | | 0.5 | | |
| 21 | | WELL-GRADED GRAVEL; gray; wet; mostly fine-coarse gravel with trace medium sand; native soil. | | | | |
| 22 | | | | | | |
| 23 | GW | | 80 | | | |
| 24 | | | | | | |
| 25 | | End of Borehole | | 0.7 | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |

NOTES:



SITE ADDRESS

I-90 MM 80

CLIENT:

Kenan Advantage

CASING MATERIAL AND SIZE:

2" SCH 40 PVC

DRILLING CONTRACTOR:

Holt Services

PROJECT #:

71201

SCREEN SIZE:

0.010" - slot

DRILLING EQUIPMENT:

Geoprobe Sonic LAR

DATE:

3/8/16

SCREEN INTERVAL:

8'-23'

DRILLING METHOD:

Sonic

GROUND SURFACE ELEV. FT AMSL:

Not Measured

FILTER PACK:

Silica Sand

LOGGED BY:

C. McFadden

BOREHOLE SIZE:

2"

TOTAL DEPTH:

23 fbg

FILTER PACK INTERVAL:

6'-25'

| Depth (feet) | USCS | Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other | Interval & % Recovery | PID (ppm) | Sample | Well Construction |
|--------------|------|--|-----------------------|-----------|--------|-------------------|
| 0 | | WELL-GRADED GRAVEL; light brown; damp; mostly fine-coarse gravel with trace silt; backfill material. | 80 | | | Flush monument |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | GW | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |
| 16 | | WELL-GRADED GRAVEL; gray; wet; mostly fine-coarse gravel with trace medium sand; native soil. | 80 | | | Concrete |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | GW | | | | | |
| 20 | | POORLY-GRADED SAND; gray; wet; mostly medium sand with trace medium gravel. | 100 | 0.2 | | Casing |
| 21 | | | | | | |
| 22 | | | | | | |
| 23 | | | | | | |
| 24 | SP | | | 1.7 | | Sand |
| 25 | | End of Borehole | | | | |
| 26 | | | | | | |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | | | | | | |
| 30 | | | | | | |

NOTES:

Attachment E
EPI Groundwater Sampling Field Data

MW-6

EPI Groundwater Sampling Field Data

Project Name:
Project Number:
Well ID:
Sample ID:
Field Conditions

cle Flum mPBo
71201
MW-6
MW-6
Early cloudy + cold

Date: 12/14/15
Field Team: (Initials) BDM

Purge Information

Well Diameter (in.)
Well Depth (ft.)
Initial Depth to Water (ft.)
Depth of Water Column
3 Casing Volumes
1 Casing Volume
(2"=0.163 x depth)
(4"=0.653 x depth)

2"
20
12.62
7.38
3.60
1.20

TDC

Purge Method : Submersible pump
Bladder Pump
Peristaltic Pump
Other: :

Start Time: 1533
End Time: 1601
Total Gallons Purged: 1.50

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1536 | Flow cell | 7.53 | 0.231 | 10.52 | 9.03 | -27.2 | 2M | Slightly cloudy |
| 1541 | 0.25 | 7.36 | 0.197 | 6.39 | 9.31 | -18.2 | - | - |
| 1544 | 0.45 | 7.29 | 0.188 | 5.83 | 9.50 | -8.3 | - | Clear |
| 1547 | 0.65 | 7.13 | 0.185 | 5.68 | 9.62 | -1.5 | - | Clear |
| 1552 | 1.0 | 7.01 | 0.181 | 5.65 | 9.65 | 6.0 | - | Clear |
| 1557 | 1.2 | 6.94 | 0.181 | 5.45 | 9.67 | 8.7 | - | Clear |
| 1600 | 1.4 | 6.92 | 0.181 | 5.43 | 9.2 | 12.4 | - | Clear |
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Sample Information

Sample Method(s): Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| MutPH-Gx | 1605 | VOA | HCL | |
| BTEX | ↓ | ↓ | ↓ | |
| | | | | |
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End Time: 1605

Comments / Exceptions:

Presence of floating product? YES/NO Presence of sinking product? YES/NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-6

MW-5

EPI Groundwater Sampling Field Data

Project Name: Chl Elm MP50
 Project Number: 71201
 Well ID: MW-5
 Sample ID: MW-5
 Field Conditions: Sunny & cold

Date: 12/19/15
 Field Team: (Initials) BDM

Purge Information

Well Diameter (in.): 2"
 Well Depth (ft.): 15
 Initial Depth to Water (ft.): 6.92 TOC
 Depth of Water Column: 8.08
 3 Casing Volumes: 1.32
 1 Casing Volume: 3.95
 (2"=0.163 x depth)
 (4"=0.653 x depth)

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other: _____
 Start Time: 1225
 End Time: 1305
 Total Gallons Purged: 2.10

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1228 | Flan cell | 6.79 | 0.528 | 10.16 | 9.56 | -40.1 | NM | brown / cloudy |
| 1234 | 0.30 | 6.59 | 0.471 | 0.97 | 9.60 | -43.0 | | ↓ |
| 1240 | 0.60 | 6.61 | 0.472 | 0.90 | 9.09 | -29.6 | | clear |
| 1245 | 0.80 | 6.62 | 0.473 | 0.88 | 10.00 | -19.3 | | |
| 1250 | 1.25 | 6.60 | 0.474 | 1.10 | 10.13 | -8.7 | | |
| 1255 | 1.50 | 6.54 | 0.469 | 0.97 | 9.94 | 2.7 | | |
| 1300 | 1.75 | 6.42 | 0.471 | 0.92 | 9.61 | 7.1 | | |
| 1305 | 2.0 | 6.54 | 0.457 | 0.92 | 9.71 | 7.2 | | |
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Sample Information

Sample Method(s): Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|------------------|-------------|-------------|-------------------------|----------|
| <u>MNAPHA-GX</u> | <u>1310</u> | <u>VB A</u> | <u>HCl</u> | |
| <u>BYLEX</u> | | <u>✓</u> | <u>↓</u> | |
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End Time: 1305

Comments / Exceptions:

Presence of floating product? YES / NO NO Presence of sinking product? YES / NO NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-5

MW-4

EPI Groundwater Sampling Field Data

Project Name:
Project Number:
Well ID:
Sample ID:
Field Conditions

210 Elm Wp 80
71201

MW-4
MW-4
Partly Cloudy, Cold

Date: 12/14/15
Field Team: (Initials) BOM

Purge Information

Well Diameter (in.)
Well Depth (ft.)
Initial Depth to Water (ft.)
Depth of Water Column
3 Casing Volumes
1 Casing Volume
(2"=0.163 x depth)
(4"=0.653 x depth)

2"
8
5.16 ft
2.84
1.39
0.46

7.46 TAC

Purge Method : Submersible pump
Bladder Pump
Peristaltic Pump
Other: .

Start Time: 1456
End Time: 1521
Total Gallons Purged: 1.35

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1500 | Flow cell | 7.37 | 1.294 | 9.74 | 4.57 | -40.3 | NM | Clear |
| 1505 | 0.40 | 7.40 | 1.251 | 8.80 | 4.66 | -34.9 | | |
| 1510 | 0.65 | 7.37 | 1.208 | 8.45 | 4.69 | -29.3 | | |
| 1515 | 1.0 | 7.34 | 1.180 | 8.36 | 4.70 | -23.5 | | |
| 1520 | 1.30 | 7.32 | 1.157 | 8.46 | 4.71 | -20.0 | | |
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Sample Information

Sample Method(s): Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|------------|------|-------------|-------------------------|----------|
| NAAPH - Gx | 1525 | VA | HCL | |
| BTEX | ↓ | ↓ | ↓ | |
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End Time: 1525

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-4

MW-3

EPI Groundwater Sampling Field Data

Project Name: Clo Elem MP 80
 Project Number: 71201
 Well ID: MW-3
 Sample ID: MW-3
 Field Conditions: 8 Partly cloudy, cold

| |
|-----------------------|
| MW-3 |
| MW-3 |
| 8 Partly cloudy, cold |

Date: 12/14/15
 Field Team: (Initials) BDM

Purge Information

Well Diameter (in.) 2"
 Well Depth (ft.) 8
 Initial Depth to Water (ft.) 3.52 ft. (6.17 to c)
 Depth of Water Column 4.48
 3 Casing Volumes 2.19
 1 Casing Volume 0.73
 (2"=0.163 x depth)
 (4"=0.653 x depth)

| |
|----------------------|
| 2" |
| 8 |
| 3.52 ft. (6.17 to c) |
| 4.48 |
| 2.19 |
| 0.73 |

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other:
 Start Time 1427
 End Time 1453
 Total Gallons Purged 1.55

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|---------------------|
| 1429 | Flow drill | 7.16 | 1.515 | 26.36 | 4.39 | -53.7 | NM | 5 1/2 bottles taken |
| 1435 | 0.25 | 7.35 | 1.539 | 9.76 | 4.20 | -74.7 | | clear |
| 1440 | 0.75 | 7.40 | 1.516 | 9.24 | 4.0 | -78.7 | | |
| 1444 | 1.0 | 7.43 | 1.361 | 8.34 | 3.78 | -77.5 | | |
| 1448 | 1.25 | 7.44 | 1.208 | 7.39 | 3.73 | -74.5 | | |
| 1452 | 1.50 | 7.39 | 1.132 | 6.73 | 3.74 | -71.7 | | |
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Sample Information

Sample Method(s) Peristaltic pump / Submersible pump / Bladder Pump / Bailor / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|-------------|------|-------------|-------------------------|----------|
| MWTPH - Gyx | 1505 | VBA | HCC | |
| BT EX | I | I | I | |
| | | | | |
| | | | | |
| | | | | |

End Time 1505

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-3

MW-2

EPI Groundwater Sampling Field Data

Project Name: *Cl₂ ELEM spill mpeo*
Project Number: *71201*

Well ID: MW-2 Date: 12/19/15
 Sample ID: MW-2 Field Team: (Initials) COM
 Field Conditions: Sunny & cold

Purge Information

Well Diameter (in.): 2.125
 Well Depth (ft.): 15
 Initial Depth to Water (ft.): 6.94 *TWC*
 Depth of Water Column: 8.06
 3 Casing Volumes: 3.94
 1 Casing Volume: 1.31
 (2"=0.163 x depth)
 (4"=0.653 x depth)

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other: :
 Start Time: 1140
 End Time: 1219
 Total Gallons Purged: 2.25

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1143 | Flowcell | 7.30 | 0.333 | 6.67 | 10.78 | -26.6 | Nil | Slightly cloudy |
| 1147 | 0.35 | 6.93 | 0.320 | 2.24 | 10.77 | -34.8 | | Clear |
| 1153 | 0.65 | 6.85 | 0.319 | 1.70 | 10.64 | -42.9 | | |
| 1202 | 1.20 | 6.75 | 0.312 | 1.80 | 10.64 | -39.9 | | |
| 1207 | 1.50 | 6.71 | 0.310 | 2.34 | 10.64 | -34.0 | | |
| 1214 | 1.80 | 6.63 | 0.307 | 2.54 | 10.50 | -24.0 | | |
| 1218 | 2.20 | 6.64 | 0.305 | 2.59 | 10.46 | -24.1 | | |
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Sample Information

Sample Method(s): Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|--------------------------|------|-------------|-------------------------|----------|
| NW TPH - G ₁₅ | 1230 | VOR | HCL | |
| BTEX | ↓ | ↓ | ↓ | |
| | | | | |
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End Time: 1230

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-2

MW-1

EPI Groundwater Sampling Field Data

Project Name: Cle Elum MP80

Project Number: 71201

Well ID: mw-1

Date: 12/14/15

Sample ID: mw-1

Field Team: (Initials) BDM

Field Conditions: Sunny + cold

Purge Information

Well Diameter (in.)
Well Depth (ft.)
Initial Depth to Water (ft.)
Depth of Water Column
3 Casing Volumes
1 Casing Volume
(2"=0.163 x depth)
(4"=0.653 x depth)

| |
|-------|
| 2 in. |
| 15 |
| 9.01 |
| 5.99 |
| 3.0 |
| 1.0 |

Tox

Purge Method : Submersible pump
Bladder Pump
Peristaltic Pump
Other: :

| | |
|----------------------|------|
| Start Time | 1312 |
| End Time | 1337 |
| Total Gallons Purged | 1.30 |

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1313 | Flow cell | 6.69 | 0.643 | 2.79 | 10.20 | -95.7 | Nm | brown / cloudy |
| 1320 | 0.45 | 6.98 | 0.643 | 1.17 | 10.30 | -129.2 | | ↓ |
| 1326 | 0.75 | 7.09 | 0.643 | 1.06 | 10.41 | -140.2 | | Clear |
| 1331 | 1.0 | 7.12 | 0.641 | 0.97 | 10.46 | -140.7 | | ↓ |
| 1336 | 1.25 | 7.18 | 0.627 | 1.02 | 10.51 | -148.2 | ↓ | ↓ |
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Sample Information

Sample Method(s) Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|-------------------------|------|-------------|-------------------------|----------|
| NH ₄ PH - 6x | 1345 | VOA | HCL | |
| BTEX | ↓ | | | |
| | | | | |
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End Time 1345

Comments / Exceptions:

Presence of floating product? YES/NO Presence of sinking product? YES/NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-1

7201

21 15

- 0750 C. McFadden + J. Sharrod on-site
- 0805 Calibrate YSR
- 0815 Make sample container labels.
- 0840 Open wells to collect dtw
- 0915 Dtw collected

MW-2 Parameters

| Time | pH | Cond | Do | Temp | ORP | App |
|------|------|-------|------|------|------|-------|
| 918 | 7.23 | 0.240 | 2.73 | 9.62 | -25 | clear |
| 921 | 7.21 | 0.237 | 2.37 | 9.57 | -20 | clear |
| 924 | 7.11 | 0.235 | 2.36 | 9.57 | 2.8 | clear |
| 927 | 7.04 | 0.235 | 2.41 | 9.56 | 7.2 | clear |
| 930 | 6.93 | 0.235 | 2.49 | 9.54 | 14.1 | clear |
| 933 | 6.58 | 0.234 | 2.55 | 9.53 | 18.1 | clear |
| 936 | 6.85 | 0.241 | 2.60 | 9.46 | 22.3 | clear |

937 sample collected

945 Move to MW-5

| Time | pH | Cond | Do | Temp | ORP | App |
|------|------|-------|------|------|------|-------|
| 0952 | 6.83 | 0.247 | 3.85 | 8.12 | 28.0 | milky |
| 0955 | 6.85 | 0.245 | 2.91 | 8.30 | 30.6 | clear |
| 0958 | 6.76 | 0.244 | 2.74 | 8.31 | 39.2 | clear |
| 0951 | 6.47 | 0.290 | 3.24 | 8.59 | 11.0 | clear |
| 1004 | 6.66 | 0.251 | 2.97 | 8.46 | 20.0 | clear |
| 1007 | 6.71 | 0.280 | 2.35 | 8.46 | -5.7 | clear |
| 1010 | 6.74 | 0.259 | 2.40 | 8.31 | 1.6 | clear |

MW-5

4/21/15

| Time | pH | Cond | Do | Temp | ORP | |
|------|------------------|-------|------|------|-------|--|
| 1030 | 6.85 | 0.591 | 1.17 | 9.46 | 183.5 | |
| 1033 | 6.90 | 0.586 | 0.78 | 9.2 | 111.5 | |
| 1036 | 6.94 | 0.563 | 0.68 | 9.21 | 129.4 | |
| 1039 | 6.96 | 0.521 | 0.62 | 9.2 | 111.5 | |
| 1042 | 6.93 | 0.522 | 0.81 | 9.25 | 129.4 | |
| 1045 | 6.89 | 0.517 | 0.70 | 9.15 | 129.4 | |
| 1046 | Sample collected | | | | | |
| 1149 | Move to MW-3 | | | | | |
| Time | pH | Cond | Do | Temp | ORP | |
| 1158 | 7.08 | 1.319 | 2.73 | 3.32 | 70.5 | |
| 1201 | 7.15 | 1.070 | 2.18 | 2.99 | 112.5 | |
| 1204 | 7.28 | 0.737 | 2.47 | 2.96 | 116.7 | |
| 1207 | 7.32 | 0.561 | 2.55 | 3.07 | 118.4 | |
| 1210 | 7.29 | 0.519 | 2.49 | 3.11 | 124.4 | |
| 1213 | 7.25 | 0.495 | 2.40 | 3.14 | 106.9 | |
| 1216 | 7.22 | 0.502 | 2.31 | 3.14 | 109.2 | |
| 1219 | 7.19 | 0.511 | 2.15 | 3.10 | 118.4 | |
| 1220 | Sample collected | | | | | |

Return to site

| Time | pH | Cond | Do | DRP | Temp | App |
|------|------|-------|------|------|------|-------|
| 1228 | 7.37 | 0.196 | 6.21 | 55.4 | 2.82 | clear |
| 1232 | 7.30 | 0.182 | 6.13 | 47.0 | 2.82 | clear |
| 1235 | 7.36 | 0.178 | 6.13 | 40.5 | 2.82 | clear |
| 1238 | 7.33 | 0.182 | 6.11 | 32.2 | 2.85 | clear |
| 1241 | 7.33 | 0.181 | 6.13 | 24.2 | 2.81 | clear |
| 1244 | 7.31 | 0.182 | 6.17 | 20.7 | 2.71 | clear |

Sounded @ 1245

1304 Begin Pumping MW-6

| Time | pH | Cond | Do | Temp | DRP | App |
|------|------|-------|------|------|------|-------|
| 1306 | 7.33 | 0.188 | 3.27 | 8.02 | 33.9 | slty |
| 1309 | 7.21 | 0.180 | 3.21 | 7.68 | 15.0 | clear |
| 1312 | 7.12 | 0.180 | 3.16 | 7.51 | 2.0 | clear |
| 1315 | 7.03 | 0.178 | 3.10 | 7.59 | 7.8 | clear |
| 1318 | 6.99 | 0.170 | 3.05 | 7.83 | 12.7 | clear |
| 1321 | 6.96 | 0.174 | 3.07 | 7.85 | 17.0 | clear |
| 1324 | 6.92 | 0.179 | 3.04 | 7.81 | 18.9 | clear |

1325 Sample collected

1400 Collect pond water samples

1420 T. Johnson & C. McFadden off-site

| | |
|------|--|
| 0745 | C. McFadden on-site |
| 0815 | No change in river water level. No sheep on the pond |
| 0820 | Collect RTW |
| 0900 | Collect surface water samples |
| 1000 | Site restoration. C. McFadden off-site |
| 1105 | Unload equipment at off-site storage |
| 1230 | EOD |

Photo in the Rain

1-29-11

| Time | PH | Cond | D ₅₀ | Temp | APP |
|------|------|-------|-----------------|------|------|
| 0843 | 7.46 | 0.236 | 3.74 | 7.78 | 63.5 |
| 0846 | 7.24 | 0.234 | 3.16 | 7.87 | 63.7 |
| 0849 | 7.08 | 0.215 | 2.71 | 8.66 | 75.8 |
| 0852 | 7.01 | 0.212 | 2.65 | 8.31 | 7.5 |
| 0855 | 6.93 | 0.211 | 2.57 | 8.34 | 7.3 |
| 0858 | 6.84 | 0.210 | 2.49 | 8.37 | 12.0 |
| 0901 | 6.75 | 0.211 | 2.48 | 8.36 | 26.2 |
| 0904 | 6.70 | 0.211 | 2.44 | 8.43 | 24.5 |

sampled @ 0941

water on rain

12/28/15

11201

0730 C. McFadden + NRC on-site
 0745 DOT says no land closure until after 12:00. Due to heavy conditions
 0800 B. Miles on-site
 0830 NRC starts equipment Dead battery in one of the excavators.
 United Rentals notified.
 0900 NRC clears snow off of the median.
 0943 B. Miles + C. McFadden mark
 Monitoring well locations
 Uncover monitoring wells from snow cover.
 1035 Holocene bobcat on-site
 1210 Holocene on-site
 1230 Bobcat stuck in the snow
 1315 United Rentals on-site with replacement batteries. Lane closure
 1400 NRC clears snow and assists with getting the bobcat unstuck
 1445 Holocene moves gear to drilling location
 1610 Holocene + ep1 + NRC on-site, lane closure taken down.

12/29/15

| Time | Begin | | | purging | | | MW - 1 | | | APP |
|----------------|-------|-------|------|---------|--------|------|--------|------|-----|-------|
| | PH | Cond | Do | Temp | ORP | Temp | ORP | Temp | ORP | |
| 1002 | 6.67 | 0.458 | 0.99 | 8.15 | -95.6 | | | | | clear |
| 1005 | 6.69 | 0.488 | 0.58 | 9.35 | -95.4 | | | | | clear |
| 1008 | 6.70 | 0.460 | 0.57 | 8.40 | -101.5 | | | | | clear |
| 1011 | 6.71 | 0.477 | 0.62 | 8.42 | -112.9 | | | | | clear |
| 1014 | 6.71 | 0.470 | 0.67 | 8.46 | -113.1 | | | | | clear |
| sampled @ 1015 | | | | | | | | | | |
| Time | Begin | | | purging | | | MW - 3 | | | APP |
| | PH | Cond | Do | Temp | ORP | Temp | ORP | Temp | ORP | |
| 1053 | 6.74 | 0.755 | 3.95 | 2.49 | -96.7 | | | | | clear |
| 1056 | 6.86 | 0.753 | 1.94 | 2.13 | -113.1 | | | | | clear |
| 1059 | 6.91 | 0.726 | 1.46 | 2.19 | -117.3 | | | | | clear |
| 1102 | 6.97 | 0.711 | 1.51 | 2.23 | -117.3 | | | | | clear |
| 1105 | 6.99 | 0.700 | 1.63 | 2.26 | -117.8 | | | | | clear |
| 1108 | 7.05 | 0.658 | 1.93 | 2.24 | -120.5 | | | | | clear |
| 1111 | 7.09 | 0.654 | 2.23 | 2.27 | -122.0 | | | | | clear |
| 1114 | 7.13 | 0.650 | 2.00 | 2.22 | -121.7 | | | | | clear |
| sampled @ 1115 | | | | | | | | | | |

12/29/15

| Time | Begin | | | purging | | | MW - 4 | | | APP |
|----------------|-------|-------|------|---------|------|------|--------|------|-----|-------|
| | PH | Cond | Do | Temp | ORP | Temp | ORP | Temp | ORP | |
| 1230 | 7.41 | 0.79 | 7.96 | 3.23 | -5.4 | | | | | clear |
| 1233 | 7.40 | 0.169 | 7.56 | 3.41 | -3.4 | | | | | clear |
| 1236 | 7.37 | 0.168 | 7.56 | 3.44 | -1.8 | | | | | clear |
| 1239 | 7.35 | 0.166 | 7.60 | 3.47 | 1.2 | | | | | clear |
| 1242 | 7.32 | 0.165 | 7.58 | 3.49 | 3.3 | | | | | clear |
| sampled @ 1243 | | | | | | | | | | |
| Time | Begin | | | purging | | | MW - 6 | | | APP |
| | PH | Cond | Do | Temp | ORP | Temp | ORP | Temp | ORP | |
| 1307 | 7.22 | 0.172 | 5.63 | 6.96 | 8.7 | | | | | clear |
| 1310 | 7.18 | 0.171 | 4.40 | 7.05 | 13.5 | | | | | clear |
| 1313 | 7.07 | 0.172 | 4.27 | 7.13 | 19.3 | | | | | clear |
| 1316 | 7.01 | 0.173 | 4.30 | 7.07 | 24.6 | | | | | clear |
| sampled @ 1318 | | | | | | | | | | |

Return to Room

12/30/15

712

| | |
|------|--|
| 0645 | C. McFadden + S. Sherrod on-site |
| 0705 | Talk with Jason of NRC about lease closure. DOT has no restrictions to lease closure |
| 0730 | Holocene on-site |
| 0805 | Key is froze on the drill rig |
| 0840 | Drill rig is started |
| 0850 | Begin drilling MW-11 |
| 0911 | Collect MW-11.4 |
| 0950 | Collect MW-11:7.5 |
| 1015 | No indication of field impacts to soil |
| 1100 | MW-11 installed. Holocene will not install the 6XR well |
| 1130 | Begin well development on MW-9 |
| 1200 | 25 gal removed. Holocene has a flat tire on their semi. S. Benton on-site |
| 1240 | Develop MW-10. 2.5 gal removed |
| 1345 | Develop MW-11. 30 gal removed |
| 1430 | Develop MW-8. 20 gal removed |
| 1515 | Develop MW-7. 20 gal removed |
| 1550 | collect pond water samples |
| 1420 | EPI + Holocene off-site |

Return on site

12/29/17

11201

| | |
|------|--|
| 0700 | C. McFadden + NRC on-site |
| 0730 | Holocene + S. Sherrod on-site |
| 0750 | Holocene prepares equipment |
| 0800 | S. Sherrod begins soil sampling. |
| 0850 | No field indications of petroleum impacts during the installation of MW-7. MW-7 is 70' west of MW-2. |
| 1015 | move to MW-8. |
| 1030 | NRC loads out soil and drills road to well location |
| 1240 | Drillers move to MW-9. |
| 1330 | Phone call to S. Benton regarding well locations status near the pond. |
| 1340 | No evidence of field impacts to MW-9 |
| 1420 | Holocene moves to MW-10 |
| 1445 | Holocene puts stick up monuments on MW-8 and MW-9 |
| 1550 | Holocene moves to MW-11 to drill in the morning of 12/30 |
| 1410 | Site restoration |
| 1440 | Personnel off-site |

12/31/15

71201

| | | | | | |
|----------------|----------------------------------|-------|------|------|------|
| 0630 | J. Sherrill + C. Mcadden on site | | | | |
| 0700 | J. Bernthal on site | | | | |
| 0830 | Begin plugging MW-4 | | | | |
| Time | PH | Cond | Do | Temp | RF |
| 0836 | 7.05 | 0.227 | 6.12 | 6.95 | 15.7 |
| 0839 | 6.96 | 0.220 | 4.48 | 7.67 | 31.8 |
| 0842 | 6.84 | 0.219 | 3.78 | 7.67 | 47.0 |
| 0845 | 6.75 | 0.217 | 3.67 | 7.61 | 48.7 |
| 0848 | 6.63 | 0.216 | 3.56 | 7.68 | 53.7 |
| 0851 | 6.57 | 0.217 | 3.53 | 7.47 | 57.6 |
| 0854 | 6.55 | 0.216 | 3.45 | 7.56 | 60.4 |
| 0857 | 6.51 | 0.216 | 3.44 | 7.55 | 61.6 |
| Sampled @ 0858 | | | | | |
| Time | PH | Cond | Do | Temp | RF |
| 0909 | 6.50 | 0.214 | 2.96 | 8.70 | 23.1 |
| 0912 | 6.50 | 0.214 | 2.47 | 8.57 | 17.6 |
| 0915 | 6.45 | 0.213 | 2.37 | 9.01 | 15.7 |
| 0918 | 6.41 | 0.213 | 2.36 | 8.21 | 14.4 |
| 0921 | 6.41 | 0.212 | 2.31 | 8.74 | 12.2 |
| 0924 | 6.38 | 0.213 | 2.29 | 8.58 | 16.9 |
| Sampled @ 0925 | | | | | |

| | | | | | |
|--------|------|-------|------|------|------|
| Basics | | | | | |
| Time | PH | Cond | Do | Temp | RF |
| 0909 | 6.50 | 0.214 | 2.96 | 8.70 | 23.1 |
| 0912 | 6.50 | 0.214 | 2.47 | 8.57 | 17.6 |
| 0915 | 6.45 | 0.213 | 2.37 | 9.01 | 15.7 |
| 0918 | 6.41 | 0.213 | 2.36 | 8.21 | 14.4 |
| 0921 | 6.41 | 0.212 | 2.31 | 8.74 | 12.2 |
| 0924 | 6.38 | 0.213 | 2.29 | 8.58 | 16.9 |

Sampled @ 0925

12/21/15

| | | | | | |
|----------------|------|-------|------|------|------|
| Basics | | | | | |
| Time | PH | Cond | Do | Temp | RF |
| 0935 | 6.35 | 0.227 | 5.19 | 7.52 | 15.5 |
| 0938 | 6.54 | 0.226 | 5.67 | 8.76 | 10.5 |
| 0941 | 6.59 | 0.222 | 3.93 | 8.75 | 1.2 |
| 0945 | 6.49 | 0.216 | 3.63 | 8.72 | 5.6 |
| 0946 | 6.47 | 0.213 | 3.70 | 8.60 | 9.4 |
| Sampled @ 0949 | | | | | |
| Basics | | | | | |
| Time | PH | Cond | Do | Temp | RF |
| 0956 | 6.28 | 0.234 | 3.68 | 7.77 | 44.4 |
| 0959 | 6.32 | 0.237 | 2.96 | 8.23 | 43.2 |
| 1002 | 6.30 | 0.237 | 2.81 | 8.13 | 44.4 |
| 1005 | 6.28 | 0.237 | 2.75 | 8.15 | 46.5 |
| 1008 | 6.26 | 0.236 | 2.73 | 8.23 | 48.6 |
| 1011 | 6.26 | 0.237 | 2.70 | 8.31 | 49.5 |
| Sampled @ 1012 | | | | | |
| Basics | | | | | |
| Time | PH | Cond | Do | Temp | RF |
| 1029 | 6.44 | 0.201 | 5.29 | 7.72 | 27.2 |
| 1035 | 6.49 | 0.194 | 4.46 | 7.95 | 14.7 |
| 1038 | 6.45 | 0.192 | 4.20 | 7.90 | 27.3 |

Return on Run

Daily River appearance log

| Date | River appearance | log |
|----------|------------------|--|
| 12/15/15 | 1300 | No sheep on river. \emptyset on river water gauge. Snow in good condition. No sheep in |
| 12/16/15 | 0730 | No sheep in river. \emptyset on river water gauge |
| 1130 | | No sheep on river. \emptyset on river water gauge |
| 1500 | | No sheep on the river or pond. No change in the river water gauge |
| 12/17/15 | 0800 | No sheep on pond or river. \emptyset on the river water gauge |
| 1130 | | No sheep on the pond or river. No change of water level in the river |
| 1500 | | No sheep on the pond or river. \emptyset on the river water gauge |
| 12/18/15 | 0730 | No sheep in river or pond. \emptyset on river gauge |
| 1142 | | No sheep on the pond or river. \emptyset on river gauge |
| 1545 | | No sheep on the pond or river. \emptyset on river gauge. |

EPI Groundwater Sampling Field Data

Project Name: Ch Elum M20
Project Number: 7221
Well ID: MW-1
Sample ID: MW-1
Field Conditions: cold & overcast

Date: 1/5/15
Field Team: (Initials): SDM

Purge Information

Well Diameter (in.): 2"
Well Depth (ft.): 15.46
Initial Depth to Water (ft.): 9.32
Depth of Water Column: 5.65
3 Casing Volumes: 2.78
1 Casing Volume: 0.93
(2"=0.163 x depth)
(4"=0.653 x depth)

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other: :
Start Time: 0905
End Time: 0922
Total Gallons Purged: 0.60

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 0907 | Flow cell | 6.76 | 0.415 | 10.72 | 8.11 | -53.1 | NM | brown / cloudy |
| 0911 | 0.25 | 6.75 | 0.405 | 1.79 | 8.26 | -80.2 | ↓ | ↓ |
| 0915 | 0.35 | 6.75 | 0.404 | 1.27 | 8.26 | -74.9 | ↓ | ↓ |
| 0918 | 0.50 | 6.73 | 0.403 | 1.06 | 8.23 | -92.0 | ↓ | ↓ |
| 0921 | 0.60 | 6.72 | 0.407 | 1.06 | 8.16 | -93.7 | ↓ | ↓ |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| NWTFH ox | 0930 | 3 VOA | HCL | |
| BTEX | ↓ | ↓ | ↓ | |
| | | | | |
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| | | | | |

End Time: 0930

Comments / Exceptions:
Presence of floating product? YES / NO **Presence of sinking product?** YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-1

EPI Groundwater Sampling Field Data

Election soil AM 80
71201

Project Name:
Project Number:
Well ID:
Sample ID:
Field Conditions

MW-7
MW-7
overcast and cold

Date: 1/5/16
Field Team: (Initials) BDM
SMW on the ground

Purge Information

Well Diameter (in.)
Well Depth (ft.)
Initial Depth to Water (ft.)
Depth of Water Column
3 Casing Volumes
1 Casing Volume
(2"=0.163 x depth)
(4"=0.653 x depth)

2"
15
6.32
8.68
4.24
1.41

Purge Method : Submersible pump
Bladder Pump
Peristaltic Pump
Other: :

Start Time: 1052
End Time: 1111
Total Gallons Purged: 1.05

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1054 | 1.05 cpl | 6.23 | 0.169 | 8.81 | 8.09 | 102.3 | Am | Clear |
| 1057 | 0.25 | 6.51 | 0.172 | 5.97 | 8.25 | 92.1 | | |
| 1103 | 0.60 | 6.53 | 0.170 | 4.86 | 8.89 | 90.8 | | |
| 1106 | 0.75 | 6.53 | 0.169 | 4.75 | 8.94 | 90.2 | | |
| 1110 | 1.0 | 6.52 | 0.170 | 4.65 | 8.95 | 89.9 | | |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|--------------------------------------|------|-------------|-------------------------|----------|
| NH ₄ PH ₄ -Gyx | | 3 NoA | HCL | |
| PTX | | ↓ | ↓ | |
| | | | | |
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End Time: 1115

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-7

EPI Groundwater Sampling Field Data

Project Name: Ch Elum MM 80
Project Number: 71201
Well ID: MW-2 **Date:** 1/5/16
Sample ID: MW-2 **Field Team: (Initials):** BDM
Field Conditions: cold

Purge Information

| | |
|--|---|
| Well Diameter (in.) <u>2-inch</u> Well Depth (ft.) <u>15.16</u> Initial Depth to Water (ft.) <u>7.38</u> Depth of Water Column <u>7.62</u> 3 Casing Volumes <u>3.73</u> 1 Casing Volume <u>1.29</u> (2"=0.163 x depth) (4"=0.653 x depth) | Purge Method : Submersible pump Bladder Pump <u>Peristaltic Pump</u> Other : Start Time <u>1120</u> End Time <u>1136</u> Total Gallons Purged <u>0.81</u> |
|--|---|

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|------------------|-------------|---------------------------------|-------------|-------------|-------------|---------------|------------------|
| 1121 | <u>Flow cell</u> | <u>6.43</u> | <u>0.202</u> | <u>5.56</u> | <u>8.29</u> | <u>81.2</u> | <u>nm</u> | <u>Clear</u> |
| 1124 | <u>0.25</u> | <u>6.46</u> | <u>0.203</u> | <u>3.79</u> | <u>8.45</u> | <u>74.4</u> | | |
| 1129 | <u>0.50</u> | <u>6.44</u> | <u>0.205</u> | <u>3.31</u> | <u>8.48</u> | <u>70.7</u> | | |
| 1132 | <u>0.68</u> | <u>6.42</u> | <u>0.205</u> | <u>3.24</u> | <u>8.49</u> | <u>69.8</u> | | |
| 1135 | <u>0.80</u> | <u>6.40</u> | <u>0.205</u> | <u>3.19</u> | <u>8.45</u> | <u>68.9</u> | | |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|-------------------|-------------|--------------|-------------------------|----------|
| <u>1 MWTPA-GY</u> | <u>1140</u> | <u>3 VOA</u> | <u>HCL</u> | |
| <u>BYEX</u> | | | | |
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End Time 1140

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

.....

.....

.....

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-2

EPI Groundwater Sampling Field Data

Project Name:
Project Number:
Well ID:
Sample ID:
Field Conditions

Chlorine spill MA 20
7/201

| | |
|-------------------------------------|-------------------------------|
| MW-5 | Date: 1/5/16 |
| MW-5 | Field Team: (Initials) E.D.M. |
| Cold & overcast, snow on the ground | |

Purge Information

Well Diameter (in.)
 Well Depth (ft.)
 Initial Depth to Water (ft.)
 Depth of Water Column
 3 Casing Volumes
 1 Casing Volume
(2"=0.163 x depth)
(4"=0.653 x depth)

| |
|--------|
| 2 in. |
| 15 ft. |
| 7.27 |
| 7.73 |
| 3.78 |
| 1.30 |

Purge Method : Submersible pump

Bladder Pump

Peristaltic Pump

Other :

| | |
|----------------------|------|
| Start Time | 1144 |
| End Time | 1201 |
| Total Gallons Purged | 0.76 |

| Time | Volume Gallons | pH | Conductivity ms/cm² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------|---------|----------|--------|---------------|------------------|
| 1146 | Flow cell | 6.31 | 0.224 | 7.74 | 8.43 | 53.5 | NM | cloudy brown |
| 1150 | 0.25 | 6.42 | 0.221 | 3.70 | 8.27 | 46.1 | | |
| 1153 | 0.40 | 6.36 | 0.218 | 3.34 | 8.12 | 51.6 | | |
| 1156 | 0.55 | 6.32 | 0.217 | 3.31 | 8.05 | 57.6 | | |
| 1206 | 0.75 | 6.28 | 0.218 | 3.30 | 8.00 | 62.3 | | |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| NWPH-6x | 1216 | 3VOA | HCL | |
| BTEX | ↓ | ↓ | ↓ | |
| | | | | |
| | | | | |
| | | | | |

End Time 1216

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

~ 6 inches of silt in bottom of well

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-5

EPI Groundwater Sampling Field Data

Project Name:
Project Number:
Well ID:
Sample ID:
Field Conditions

Cle Elum Spd MM 80
 71201

MW-11
 MW-11
 cold + increase occasional high flow

Date: 1/6/16
 Field Team: (Initials) BDM

Purge Information

Well Diameter (in.)
 Well Depth (ft.)
 Initial Depth to Water (ft.)
 Depth of Water Column
 3 Casing Volumes
 1 Casing Volume
 (2"=0.163 x depth)
 (4"=0.653 x depth)

2"
 15 ft
 6.33 1/5/16
 8.67
 4.23
 1.41

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other:

Start Time: 1143
 End Time: 1159
 Total Gallons Purged: 0.60

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1145 | Flow cell | 6.30 | 0.196 | 5.89 | 8.52 | 27.1 | NM | clear |
| 1150 | 0.25 | 6.50 | 0.202 | 3.83 | 8.62 | 12.0 | ↓ | ↓ |
| 1154 | 0.40 | 6.48 | 0.196 | 3.76 | 8.67 | 10.3 | ↓ | ↓ |
| 1158 | 0.60 | 6.46 | 0.195 | 3.76 | 8.68 | 10.7 | ↓ | ↓ |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| NM | 1210 | 3VDA | HCL | |
| BTEX | ↓ | ↓ | ↓ | |
| | | | | |
| | | | | |
| | | | | |

End Time: 1210

Comments / Exceptions:

Presence of floating product? YES / NO /
 Presence of sinking product? YES / NO /

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-11

EPI Groundwater Sampling Field Data

Project Name:
Project Number:
Well ID:
Sample ID:
Field Conditions:

ck Etan on 70
 71201

MW-10
 MW-10
 cold water, sand in the ground

Date: 1/6/16
 Field Team: (Initials)

Purge Information

Well Diameter (in.)
 Well Depth (ft.)
 Initial Depth to Water (ft.)
 Depth of Water Column
 3 Casing Volumes
 1 Casing Volume
 (2"=0.163 x depth)
 (4"=0.653 x depth)

2 inch
 14.5
 5.85
 8.65
 4.23
 1.40

1/5/16

Purge Method : Submersible pump
 Bladder Pump
Peristaltic Pump
 Other:

Start Time: 1115
 End Time: 1133
 Total Gallons Purged: 0.65

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1118 | flow col | 6.34 | 0.189 | 8.51 | 7.62 | 65.4 | NM | Clear |
| 1127 | 0.45 | 6.50 | 0.196 | 2.84 | 8.42 | 40.5 | ↓ | ↓ |
| 1132 | 0.65 | 6.45 | 0.193 | 2.64 | 9.00 | 38.4 | ↓ | ↓ |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| NWPI - | 1135 | 30A | HCL | |
| BTEV | ↓ | ↓ | ↓ | |
| | | | | |
| | | | | |
| | | | | |

End Time: 1135

Comments / Exceptions:

Presence of floating product? YES / NO NO
 Presence of sinking product? YES / NO NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-10

EPI Groundwater Sampling Field Data

Project Name: clear flow - MW 80
Project Number: 71201
Well ID: MW-9
Sample ID: MW-9
Field Conditions:

Date: 1/6/16
Field Team: (Initials): BP

Purge Information

Well Diameter (in.): 2"
Well Depth (ft.): 13
Initial Depth to Water (ft.): 6.25 1/5/16
Depth of Water Column: 6.75
3 Casing Volumes: 3.3
1 Casing Volume: 1.1
(2"=0.163 x depth)
(4"=0.653 x depth)

Purge Method: Submersible pump
 Bladder Pump
 Peristaltic Pump
Other: _____
Start Time: 1046
End Time: 1104
Total Gallons Purged: 0.65

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1049 | flow all | 6.42 | 0.195 | 13.02 | 7.71 | 60.5 | Nm | clear |
| 1054 | 0.25 | 6.57 | 0.199 | 4.08 | 8.04 | 56.4 | | |
| 1059 | 0.45 | 6.51 | 0.195 | 3.85 | 8.24 | 52.8 | | |
| 1104 | 0.25 | 6.42 | 0.195 | 3.77 | 8.30 | 48.5 | | |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|--------------|------|-------------|-------------------------|----------|
| Water Id. 6x | 1110 | 3Y6A | the 6 | |
| 3 TGV | ↓ | ↓ | | |
| | | | | |
| | | | | |
| | | | | |

End Time: 1110

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-9

EPI Groundwater Sampling Field Data

Project Name:
Project Number:
Well ID:
Sample ID:
Field Conditions

Clear AM80
 71201

MW-8
 MW-8

Date: 1/6/16
 Field Team: (Initials)

Cold + ...

Purge Information

Well Diameter (in.)
 Well Depth (ft.)
 Initial Depth to Water (ft.)
 Depth of Water Column
 3 Casing Volumes
 1 Casing Volume
 (2"=0.163 x depth)
 (4"=0.653 x depth)

2"
 14.0 ft
 4.32
 9.68
 4.73
 1.60

1/5/16

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other :

Start Time: 1012
 End Time: 1034
 Total Gallons Purged: 1.0

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1014 | flask | 6.96 | 0.221 | 11.40 | 7.24 | -17.0 | | Clear |
| 1018 | 0.25 | 6.82 | 0.223 | 4.37 | 7.45 | 9.0 | | |
| 1023 | 0.50 | 6.70 | 0.223 | 4.06 | 7.71 | 22.5 | | |
| 1026 | 0.60 | 6.63 | 0.222 | 7.00 | 7.83 | 28.4 | | |
| 1036 | 0.75 | 6.55 | 0.222 | 3.92 | 7.88 | 32.3 | | |
| 1033 | 1.0 | 6.52 | 0.225 | 3.89 | 7.93 | 34.9 | | |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| UW-PH-6x | 1040 | 300A | 1+CL | |
| BTEX | ↓ | | | |
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End Time: 1040

Comments / Exceptions:

Presence of floating product? YES / NO
 Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-8

EPI Groundwater Sampling Field Data

Project Name: Clk Elm Spill MM 80
Project Number: 71201
Well ID: MW-6
Sample ID: MW-6
Field Conditions: cold + overcast, snow on the ground

Date: 1/6/16
Field Team: (Initials) BDM

Purge Information

Well Diameter (in.) 2"
 Well Depth (ft.) 20.46
 Initial Depth to Water (ft.) 13.19
 Depth of Water Column 6.86
 3 Casing Volumes 3.40
 1 Casing Volume 1.12
(2"=0.163 x depth)
(4"=0.653 x depth)

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other: _____
Start Time 1350
End Time 1408
Total Gallons Purged 0.71

| Time | Volume Gallons | pH | Conductivity ms/cm² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------|---------|----------|--------|---------------|------------------|
| 1352 | Plus cell | 6.73 | 0.163 | 8.18 | 6.52 | 62.2 | NM | Bran / cloudy |
| 1355 | 0.20 | 6.92 | 0.166 | 5.64 | 6.93 | 57.6 | | |
| 1358 | 0.35 | 6.83 | 0.167 | 5.31 | 7.30 | 62.6 | | |
| 1403 | 0.50 | 6.76 | 0.167 | 5.16 | 7.56 | 64.4 | | |
| 1407 | 0.70 | 6.71 | 0.167 | 5.11 | 7.67 | 65.8 | | |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|------------|------|-------------|-------------------------|----------|
| NW-TPH. Cx | 1410 | 3Voa | HCL | |
| BTEX | 1410 | | | |
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End Time 1410

Comments / Exceptions:

Presence of floating product? YES / NO
 Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-6

EPI Groundwater Sampling Field Data

Project Name: Cle Elum Spill num 80
Project Number: 71201
Well ID: MW-4
Sample ID: MW-4
Field Conditions: old + overcast. Snow on the ground
Date: 1/6/16
Field Team: (Initials): BDM

Purge Information

| | |
|--|--|
| Well Diameter (in.) <u>2"</u> Well Depth (ft.) <u>8 fgs</u> Initial Depth to Water (ft.) <u>7.80 TOC (5.50 fgs)</u> Depth of Water Column <u>2.5</u> 3 Casing Volumes <u>1.22</u> 1 Casing Volume <u>0.41</u> (2"=0.163 x depth) (4"=0.653 x depth) | Purge Method : Submersible pump Bladder Pump <u>Peristaltic Pump</u> Other: _____ Start Time <u>1324</u> End Time <u>1335</u> Total Gallons Purged <u>0.42</u> |
|--|--|

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1326 | Flan cell | 6.69 | 0.162 | 10.42 | 2.34 | 42.4 | Nm | clear |
| 1331 | 0.20 | 6.93 | 0.159 | 8.25 | 2.41 | 38.0 | ↓ | ↓ |
| 1334 | 0.40 | 6.94 | 0.158 | 8.24 | 2.45 | 45.4 | ↓ | ↓ |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|------------------------------------|------|-------------|-------------------------|----------|
| NH ₄ P-H-O ₂ | 1340 | 3V0A | HCl | |
| BTEX | ↓ | ↓ | ↓ | |
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End Time 1340

Comments / Exceptions:
 Presence of floating product? YES / NO Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-4

EPI Groundwater Sampling Field Data

Project Name: Ch2 Fluor MW 30
Project Number: 71201
Well ID: MW-3 **Date:** 1/6/15
Sample ID: MW-3 **Field Team: (Initials)** ESDm
Field Conditions: overcast & cold, snow on the ground

Purge Information

Well Diameter (in.)
 Well Depth (ft.)
 Initial Depth to Water (ft.)
 Depth of Water Column
 3 Casing Volumes
 1 Casing Volume
 (2"=0.163 x depth)
 (4"=0.653 x depth)

| |
|---------------------|
| 2 inch |
| 8 ftg |
| 6.40 TPC (3.75 ftg) |
| 4.25 |
| 2.10 |
| 0.70 |

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other:

| | |
|----------------------|------|
| Start Time | 0933 |
| End Time | 0958 |
| Total Gallons Purged | 1.05 |

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 0936 | 4.15 | 6.80 | 0.586 | 2.91 | 3.15 | -108.9 | nm | clear |
| 0939 | 0.20 | 6.75 | 0.564 | 1.89 | 2.86 | -118.7 | | |
| 0946 | 0.50 | 6.91 | 0.480 | 2.58 | 2.56 | -126.6 | | |
| 0949 | 0.60 | 6.96 | 0.453 | 2.81 | 2.50 | -125.8 | | |
| 0952 | 0.75 | 7.07 | 0.410 | 3.06 | 2.14 | -125.7 | | |
| 0957 | 1.05 | 7.12 | 0.363 | 3.36 | 2.39 | -120.7 | | |
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Sample Information

Sample Method(s): Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| NWTPH-Gx | 1000 | 3 VOA | HCL | |
| 3 TEX | | ↓ | ↓ | |
| | | | | |
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| | | | | |

End Time 1000

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-3

EPI Groundwater Sampling Field Data

Project Name: Cle Elum MM 80
Project Number: 71201
Well ID: MW-7
Sample ID: MW-7
Field Conditions: Cold, occasional light snow, overcast

Date: 1/4/16
Field Team: (Initials): SDM

Purge Information

Well Diameter (in.): 2 inch
Well Depth (ft.): 15
Initial Depth to Water (ft.): 6.32 1/11/16
Depth of Water Column: 8.68
3 Casing Volumes: 9.24
1 Casing Volume: 1.41
 (2"=0.163 x depth)
 (4"=0.653 x depth)

Purge Method: Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other: _____
Start Time: 1238
End Time: 1256
Total Gallons Purged: 0.75

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1240 | flow cell | 7.44 | 0.180 | 10.23 | 7.56 | 102.9 | NM | clear |
| 1243 | 0.25 | 7.46 | 0.173 | 6.64 | 8.02 | 104.2 | | |
| 1246 | 0.45 | 7.37 | 0.171 | 5.97 | 8.20 | 105.4 | | |
| 1250 | 0.65 | 7.19 | 0.168 | 5.47 | 8.40 | 103.2 | | |
| 1254 | 0.75 | 7.08 | 0.169 | 5.44 | 8.41 | 102.9 | | |
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Sample Information

Sample Method(s) Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| MWTPH-6x | 1300 | 3VOR | Ac L | |
| BTEX | ↓ | ↓ | ↓ | |
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End Time 1300

Comments / Exceptions:
 Presence of floating product? YES / NO Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-7

EPI Groundwater Sampling Field Data

Project Name: Cle Elm MMS

Project Number: 71201

Well ID: MW-1

Sample ID: MW-1

Field Conditions: cold, overcast, br. light snow

Date: 1/11/16

Field Team: (Initials): DDM

Purge Information

Well Diameter (in.) 2"
 Well Depth (ft.) 15
 Initial Depth to Water (ft.) 9.32
 Depth of Water Column 5.68
 3 Casing Volumes 2.80
 1 Casing Volume 0.93
 (2"=0.163 x depth)
 (4"=0.653 x depth)

Purge Method : Submersible pump

Bladder Pump

Peristaltic Pump

Other: _____

Start Time: 1335

End Time: 1406

Total Gallons Purged: 1.51

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1337 | flow cell | 6.37 | 0.342 | 11.75 | 7.19 | -37.8 | NM | clear |
| 1341 | 0.35 | 6.76 | 0.344 | 1.39 | 7.33 | -71.9 | | |
| 1347 | 0.60 | 6.81 | 0.343 | 1.02 | 7.37 | -85.8 | | |
| 1352 | 0.80 | 6.80 | 0.332 | 1.19 | 7.28 | -90.8 | | |
| 1356 | 1.05 | 6.80 | 0.315 | 1.68 | 7.22 | -89.2 | | |
| 1359 | 1.20 | 6.76 | 0.301 | 1.95 | 7.18 | -84.2 | | |
| 1402 | 1.35 | 6.74 | 0.296 | 2.32 | 7.16 | -79.6 | | |
| 1405 | 1.58 | 6.73 | 0.284 | 2.41 | 7.16 | -78.1 | | |
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Sample Information

Sample Method(s): Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| NWTPH-6x | 1410 | 3VOA | HCL | |
| BTEX | ↓ | ↓ | ↓ | |
| | | | | |
| | | | | |

End Time: 1410

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-1

EPI Groundwater Sampling Field Data

Project Name: CLE FLOW MOUNTED

Project Number: 71201

Well ID: MW-3

Sample ID: MW-3

Field Conditions: Sunny

Date: 1/13/16

Field Team: (Initials) BDM

Purge Information

Well Diameter (in.) 2"
 Well Depth (ft.) 370
 Initial Depth to Water (ft.) 6.31 (3.66 TSC) 1/11/16
 Depth of Water Column 4.34
 3 Casing Volumes 2.12
 1 Casing Volume 0.70
 (2"=0.163 x depth)
 (4"=0.653 x depth)

Purge Method: Submersible pump

Bladder Pump

Peristaltic Pump

Other:

Start Time: 1217

End Time: 1241

Total Gallons Purged: 1.15

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1219 | Flow cell | 6.76 | 0.427 | 10.13 | 2.86 | -67.4 | NM | clear |
| 1223 | 0.20 | 6.84 | 0.428 | 2.89 | 2.68 | -89.1 | | |
| 1226 | 0.45 | 6.89 | 0.406 | 2.52 | 2.81 | -12.4 | | |
| 1230 | 0.60 | 6.95 | 0.391 | 2.90 | 2.70 | -100.1 | | |
| 1231 | 0.80 | 6.99 | 0.369 | 3.17 | 2.23 | -99.4 | | |
| 1237 | 0.95 | 7.01 | 0.371 | 3.55 | 2.19 | -93.2 | | |
| 1240 | 1.15 | 6.99 | 0.383 | 3.78 | 2.17 | -89.1 | | |
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Sample Information

Sample Method(s): Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|---|------|-------------|-------------------------|----------|
| NH ₄ P ¹⁴ -G ₂ | 1245 | 3VGA | HCC | |
| BTEX | 1245 | I | I | |
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End Time: 1245

Comments / Exceptions:

Presence of floating product? YES NO Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-3

EPI Groundwater Sampling Field Data

Project Name:

Project Number: 11201

Well ID: MW-4

Sample ID: MW-4

Field Conditions:

Date: 1/13/10

Field Team: (Initials) JDM

Purge Information

Well Diameter (in.)
Well Depth (ft.)
Initial Depth to Water (ft.)
Depth of Water Column
3 Casing Volumes
1 Casing Volume
(2"=0.163 x depth)
(4"=0.653 x depth)

| |
|---------------------------|
| 2 |
| 8 1/2 |
| 7.84 ft (5.54 ft @ 11/16) |
| 2.46 |
| 1.2 |
| 0.40 |

Purge Method : Submersible pump

Bladder Pump

Peristaltic Pump

Other :

Start Time: 12:58

End Time: 1:20 13/10

Total Gallons Purged: 1.2

| Time | Volume Gallons | pH | Conductivity ms/cm² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------|---------|----------|--------|---------------|------------------|
| 1300 | 4 uscoll | 7.22 | 0.169 | 8.68 | 3.38 | -2.9 | nm | Clear |
| 1303 | 0.20 | 7.25 | 0.162 | 8.78 | 3.49 | 7.6 | | |
| 1307 | 0.40 | 7.23 | 0.160 | 8.08 | 3.58 | 18.4 | | |
| 1311 | 0.60 | 7.23 | 0.159 | 8.98 | 3.66 | 24.6 | | |
| 1314 | 0.80 | 7.22 | 0.159 | 8.91 | 3.65 | 27.9 | | |
| 1317 | 1.0 | 7.21 | 0.158 | 8.87 | 3.66 | 31.6 | | |
| 1320 | 1.2 | 7.21 | 0.157 | 8.93 | 3.65 | 34.1 | | |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| NW-4 | 1325 | 3/40A | 4CL | |
| BTEX | 1 | 1 | 1 | |
| | | | | |
| | | | | |
| | | | | |

End Time: 1:25

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-4

EPI Groundwater Sampling Field Data

Project Name: *Site # 100 MM80*

Project Number: *71201*

Well ID:

MW-5

Date:

1/13/16

Sample ID:

MW-5

Field Team: (Initials)

RCA

Field Conditions:

Water cloudy & cold

Purge Information

Well Diameter (in.)
Well Depth (ft.)
Initial Depth to Water (ft.)
Depth of Water Column
3 Casing Volumes
1 Casing Volume
(2"=0.163 x depth)
(4"=0.653 x depth)

| |
|--------------|
| <i>2"</i> |
| <i>15 ft</i> |
| <i>7.29</i> |
| <i>7.71</i> |
| <i>3.80</i> |
| <i>1.26</i> |

Purge Method : Submersible pump

Bladder Pump

Peristaltic Pump

Other: :

Start Time

1412

End Time

1421

Total Gallons Purged

0.45

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|-------------|------------------|-------------|---------------------------------|-------------|-------------|--------------|---------------|------------------|
| <i>1414</i> | <i>Flow cell</i> | <i>6.27</i> | <i>0.288</i> | <i>4.76</i> | <i>7.62</i> | <i>103.4</i> | <i>NM</i> | <i>Cloudy</i> |
| <i>1417</i> | <i>0.20</i> | <i>6.69</i> | <i>0.272</i> | <i>3.99</i> | <i>7.73</i> | <i>71.9</i> | <i>↓</i> | <i>↓</i> |
| <i>1420</i> | <i>0.40</i> | <i>6.70</i> | <i>0.259</i> | <i>3.77</i> | <i>7.75</i> | <i>72.4</i> | <i>↓</i> | <i>↓</i> |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|-----------------|-------------|-------------|-------------------------|----------|
| <i>MW+PH-6x</i> | <i>1425</i> | <i>3VOM</i> | <i>H₂L</i> | |
| <i>BTEX</i> | <i>↓</i> | <i>↓</i> | <i>L</i> | |
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End Time

1425

Comments / Exceptions:

Presence of floating product? YES / NO

Presence of sinking product? YES / NO

.....

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-5

EPI Groundwater Sampling Field Data

Project Name: *clean up MM 80*
Project Number: *71201*
Well ID: *MW-6*
Sample ID: *MW-6*
Field Conditions: *partly cloudy*

| |
|-------------|
| <i>MW-6</i> |
| <i>MW-6</i> |

Date: *1/13/16*
 Field Team: (Initials) *TBM*

Purge Information

Well Diameter (in.) *2"*
 Well Depth (ft.) *20.69*
 Initial Depth to Water (ft.) *13.17*
 Depth of Water Column *6.83*
 3 Casing Volumes *3.34*
 1 Casing Volume *1.11*
 (2"=0.163 x depth)
 (4"=0.653 x depth)

| |
|--------------|
| <i>2"</i> |
| <i>20.69</i> |
| <i>13.17</i> |
| <i>6.83</i> |
| <i>3.34</i> |
| <i>1.11</i> |

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other:

| | |
|----------------------|-------------|
| Start Time | <i>1335</i> |
| End Time | <i>1351</i> |
| Total Gallons Purged | <i>0.65</i> |

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|-------------|------------------|-------------|---------------------------------|--------------|-------------|-------------|---------------|-----------------------|
| <i>1337</i> | <i>flow cell</i> | <i>6.96</i> | <i>0.168</i> | <i>16.74</i> | <i>6.99</i> | <i>30.9</i> | <i>NM</i> | <i>cloudy / Brown</i> |
| <i>1340</i> | <i>0.20</i> | <i>7.03</i> | <i>0.169</i> | <i>6.24</i> | <i>7.40</i> | <i>35.5</i> | ↓ | ↓ |
| <i>1343</i> | <i>0.35</i> | <i>7.01</i> | <i>0.169</i> | <i>5.85</i> | <i>7.34</i> | <i>41.2</i> | ↓ | ↓ |
| <i>1347</i> | <i>0.50</i> | <i>6.92</i> | <i>0.167</i> | <i>5.74</i> | <i>7.44</i> | <i>49.5</i> | ↓ | ↓ |
| <i>1350</i> | <i>0.65</i> | <i>6.88</i> | <i>0.167</i> | <i>5.68</i> | <i>7.46</i> | <i>53.6</i> | ↓ | ↓ |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailor / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|------------------|-------------|--------------|-------------------------|----------|
| <i>N,NTPH-6x</i> | <i>1400</i> | <i>3 VOA</i> | <i>HCL</i> | |
| <i>BTEX</i> | <i>1400</i> | ↓ | ↓ | |
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End Time: *1400*

Comments / Exceptions:

Presence of floating product? YES / NO
 Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-6

EPI Groundwater Sampling Field Data

Project Name:
Project Number:
Well ID:
Sample ID:
Field Conditions

Clo Elan
 71201
 MW-8
 MW-8
 Sunny

Date: 1/13/16
 Field Team: (Initials) SPW

Purge Information

Well Diameter (in.)
 Well Depth (ft.)
 Initial Depth to Water (ft.)
 Depth of Water Column
 3 Casing Volumes
 1 Casing Volume
 (2"=0.163 x depth)
 (4"=0.653 x depth)

2"
 14 ftg
 4.31
 9.69
 4.74
 1.60

1/13/16

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other:

Start Time: 0931
 End Time: 0949
 Total Gallons Purged: 0.75

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 0933 | Plastic | 7.70 | 0.233 | 11.84 | 7.40 | 44.0 | clear | clear |
| 0936 | 0.20 | 7.09 | 0.242 | 6.24 | 7.46 | 77.2 | nm | |
| 0942 | 0.50 | 6.67 | 0.236 | 5.38 | 7.70 | 92.0 | | |
| 0948 | 0.75 | 6.19 | 0.234 | 5.13 | 7.7 | 94.7 | | |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|-----------|------|-------------|-------------------------|----------|
| nut pH-GW | 1000 | BA | 1/2 HCL | |
| BTX | ↓ | | | |
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End Time: 1000

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-8

EPI Groundwater Sampling Field Data

Project Name: c/c EPI 1000
Project Number: 71201
Well ID: MW-9
Sample ID: MW-9
Field Conditions: 3 samples

Date: 1/13/16
Field Team: (Initials): S/BW

Purge Information

Well Diameter (in.)
 Well Depth (ft.)
 Initial Depth to Water (ft.)
 Depth of Water Column
 3 Casing Volumes
 1 Casing Volume
 (2"=0.163 x depth)
 (4"=0.653 x depth)

| |
|-------|
| 2" |
| 13 ft |
| 6.26 |
| 6.74 |
| 3.30 |
| 1.10 |

Purge Method : Submersible pump

Bladder Pump

Peristaltic Pump

Other:

| | |
|-----------------------------|------|
| Start Time | 1002 |
| End Time | 1017 |
| Total Gallons Purged | 0.75 |

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Note |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|-----------------|
| 1004 | Hand 11 | 6.47 | 0.206 | 7.73 | 7.60 | 99.9 | NM | clear |
| 1007 | 6.25 | 6.68 | 0.206 | 5.12 | 7.85 | 93.3 | ↓ | ↓ |
| 1012 | 0.50 | 6.64 | 0.205 | 4.62 | 7.95 | 94.4 | ↓ | ↓ |
| 1016 | 6.75 | 6.54 | 0.207 | 4.48 | 7.98 | 91.8 | ↓ | ↓ |
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Sample Information

Sample Method(s) Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| NWPTI-GY | 1020 | 3 VOA | HCL | |
| BTEX | ↓ | ↓ | ↓ | |
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End Time 1020

Comments / Exceptions:

Presence of floating product? YES / NO
 Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-9

EPI Groundwater Sampling Field Data

Project Name: Ch Elum area 80
Project Number: 71201
Well ID: MW-10
Sample ID: MW-10
Field Conditions: Sampling

Date: 1/13/16
Field Team: (Initials): BDm

Purge Information

Well Diameter (in.)
 Well Depth (ft.)
 Initial Depth to Water (ft.)
 Depth of Water Column
 3 Casing Volumes
 1 Casing Volume
 (2"=0.163 x depth)
 (4"=0.653 x depth)

| |
|------|
| 2" |
| 14.5 |
| 5.86 |
| 8.64 |
| 4.22 |
| 1.41 |

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other:

| | |
|----------------------|------|
| Start Time | 1026 |
| End Time | 1041 |
| Total Gallons Purged | 0.66 |

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1028 | 1.00 | 6.36 | 0.187 | 5.84 | 8.22 | 97.1 | Nm | clear |
| 1034 | 0.25 | 6.53 | 0.196 | 3.56 | 8.65 | 85.0 | ↓ | ↓ |
| 1040 | 0.60 | 6.45 | 0.188 | 3.33 | 8.63 | 82.9 | ↓ | ↓ |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailor / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|------------|------|-------------|-------------------------|----------|
| Nitrate-Gx | 1045 | 3V6A | HCL | |
| BTEX | ↓ | ↓ | ↓ | |
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End Time 1045

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-10

EPI Groundwater Sampling Field Data

Project Name: Elm NW 90

Project Number: 1201

Well ID: MW-11

Sample ID: MW-11

Field Conditions: Sandy

Date: 1/13/16

Field Team: (Initials) DM

Purge Information

Well Diameter (in.)
Well Depth (ft.)
Initial Depth to Water (ft.)
Depth of Water Column
3 Casing Volumes
1 Casing Volume
(2"=0.163 x depth)
(4"=0.653 x depth)

| |
|-------|
| 2" |
| 15 ft |
| 6.34 |
| 3.66 |
| 4.23 |
| 1.41 |

Purge Method : Submersible pump

Bladder Pump

Peristaltic Pump

Other: :

| | |
|----------------------|--------------|
| Start Time | <u>10:51</u> |
| End Time | <u>1:00</u> |
| Total Gallons Purged | <u>250</u> |

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|-------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 10:53 | fluscell | 6.27 | 0.186 | 8.63 | 7.52 | 111.9 | NM | Clear |
| 10:56 | 0.25 | 6.43 | 0.184 | 4.95 | 8.00 | 91.3 | + | |
| 10:59 | 0.15 | 6.56 | 0.190 | 4.71 | 8.20 | 89.1 | + | |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|------------------|--------------|-------------|-------------------------|----------|
| <u>Ammonia-N</u> | <u>11:10</u> | <u>300</u> | <u>CL</u> | |
| <u>BTEX</u> | <u>1</u> | | <u>1</u> | |
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End Time: 11:10

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-11

EPI Groundwater Sampling Field Data

Project Name: CLC ELM MM 80
Project Number: 71201
Well ID: MW-12 **Date:** 1/25/16
Sample ID: MW-12 **Field Team: (Initials)** BDM
Field Conditions: Sunny & Cold

Purge Information

| | |
|---|---|
| Well Diameter (in.) <u>2"</u> Well Depth (ft.) <u>15 flog</u> Initial Depth to Water (ft.) <u>10.1 Tac (7.15 flog)*</u> Depth of Water Column <u>7.85</u> 3 Casing Volumes <u>3.84</u> 1 Casing Volume <u>1.30</u> (2"=0.163 x depth) (4"=0.653 x depth) | Purge Method : Submersible pump Bladder Pump Peristaltic Pump Other: _____ Start Time <u>1312</u> End Time <u>1334</u> Total Gallons Purged <u>0.60</u> |
|---|---|

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1315 | Flowcell | 6.30 | 0.770 | 30.61 | 7.08 | 60.1 | NM | Brown |
| 1322 | 0.25 | 6.21 | 0.725 | 5.92 | 7.03 | 85.3 | ↓ | Slightly cloudy |
| 1329 | 0.50 | 6.14 | 6.713 | 4.96 | 7.02 | 98.1 | ↓ | ↓ |
| 1333 | 0.65 | 6.11 | 0.709 | 4.68 | 7.18 | 100.4 | ↓ | ↓ |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| BTEX | 1340 | 3VOA | HCL | |
| 6ix | ↓ | ↓ | ↓ | |
| | | | | |
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End Time 1340

Comments / Exceptions:
 Presence of floating product? YES / NO Presence of sinking product? YES / NO

* PVC Tac sticks up 2.95 feet above ground surface

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-12

EPI Groundwater Sampling Field Data

Project Name: *cle Elom MM80*
Project Number: *71201*
Well ID: MW-9
Sample ID: MW-9
Field Conditions: *Sunny & cool*

Date: 1/25/16
Field Team: (Initials): *ESM*

Purge Information

Well Diameter (in.)
 Well Depth (ft.)
 Initial Depth to Water (ft.)
 Depth of Water Column
 3 Casing Volumes
 1 Casing Volume
 (2"=0.163 x depth)
 (4"=0.653 x depth)

| |
|---------------------|
| 2" |
| 13 fbg |
| 6.09 TPC (3.61 fbg) |
| 9.39 |
| 4.60 |
| 1.53 |

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other:

| | |
|----------------------|------|
| Start Time | 1406 |
| End Time | 1420 |
| Total Gallons Purged | 0.45 |

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1408 | flange cell | 6.3 | 0.465 | 12.19 | 7.47 | 94.8 | NM | clear |
| 1415 | 0.28 | 6.26 | 0.466 | 5.75 | 7.57 | 99.2 | ↓ | ↓ |
| 1420 | 0.45 | 6.21 | 0.466 | 5.57 | 7.76 | 10.5 | ↓ | ↓ |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| POTEX | 1425 | 3V0A | HCL | |
| GX | ↓ | ↓ | ↓ | |
| | | | | |
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End Time 1425

Comments / Exceptions:

Presence of floating product? YES / NO
 Presence of sinking product? YES / NO

1426.34
1424.26
 * TC is 2.48' AGS

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-9

EPI Groundwater Sampling Field Data

Project Name: Cle Elum MMS
Project Number: 7R01
Well ID: MW-8
Sample ID: MW-8
Field Conditions: Sunny & Cold

Date: 1/25/16
Field Team: (Initials): BDM

Purge Information

Well Diameter (in.)
 Well Depth (ft.)
 Initial Depth to Water (ft.)
 Depth of Water Column
 3 Casing Volumes
 1 Casing Volume
 (2"=0.163 x depth)
 (4"=0.653 x depth)

| |
|-------|
| 2" |
| 14 ft |
| 4.17 |
| 12.66 |
| 6.19 |
| 2.06 |

TOC (1.34 ug)

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other: :
Start Time: 1343
End Time: 1358
Total Gallons Purged: 0.60

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1346 | ↓ 1st cell | 6.33 | 0.612 | 8.57 | 6.67 | 97.1 | NM | Clear |
| 1351 | 0.25 | 6.15 | 0.619 | 5.44 | 6.76 | 105.3 | | |
| 1354 | 0.40 | 6.12 | 0.619 | 4.92 | 6.87 | 105.0 | | |
| 1357 | 0.60 | 6.12 | 0.620 | 4.65 | 6.88 | 104.2 | | |
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Sample Information

Sample Method(s): Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| BTEX | 1400 | 3VOA | HCL | |
| Guy | ↓ | ↓ | ↓ | |
| | | | | |
| | | | | |
| | | | | |

End Time: 1400

Comments / Exceptions:

Presence of floating product? YES / **NO** Presence of sinking product? YES / **NO**
 * TOC is 2.83 fec ASD
 1971.86
 1972.03

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-8

EPI Groundwater Sampling Field Data

Project Name: clean up

Project Number: 71201

Well ID: MW-5

Date: 1/25/16

Sample ID: MW-5

Field Team: (Initials) BDM

Field Conditions: Sunny + cold

Purge Information

Well Diameter (in.)
Well Depth (ft.)
Initial Depth to Water (ft.)
Depth of Water Column
3 Casing Volumes
1 Casing Volume
(2"=0.163 x depth)
(4"=0.653 x depth)

| |
|-------|
| 2 in |
| 15 ft |
| 7.09 |
| 7.91 |
| 3.90 |
| 1.29 |

Purge Method : Submersible pump

Bladder Pump

Peristaltic Pump

Other: _____

Start Time: 1245

End Time: 1258

Total Gallons Purged: 0.5

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1248 | flow cell | 6.05 | 0.863 | 11.76 | 7.30 | 71.8 | NA | clear |
| 1254 | 0.30 | 5.97 | 0.868 | 4.22 | 7.38 | 74.5 | ↓ | ↓ |
| 1258 | 0.50 | 5.98 | 0.865 | 4.07 | 7.42 | 72.3 | ↓ | ↓ |
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Sample Information

Sample Method(s): Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| BTEX | 1300 | 3VOA | HCL | |
| Gly | ↓ | ↓ | ↓ | |
| | | | | |
| | | | | |
| | | | | |

End Time: 1300

Comments / Exceptions:

Presence of floating product? YES/NO Presence of sinking product? YES/NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-5

EPI Groundwater Sampling Field Data

Project Name: *Cl2 Chlor spiv*
Project Number: *71201*
Well ID: *MW-4*
Sample ID: *MW-4*
Field Conditions: *Sunny + cold*

Date: *1/25/16*
Field Team: (Initials): *BDN*

Purge Information

Well Diameter (in.)
 Well Depth (ft.)
 Initial Depth to Water (ft.)
 Depth of Water Column
 3 Casing Volumes
 1 Casing Volume
 (2"=0.163 x depth)
 (4"=0.653 x depth)

| |
|----------------------------|
| <i>2.4</i> |
| <i>8 fbg</i> |
| <i>7.55 fbg (4.75 fbg)</i> |
| <i>3.25</i> |
| <i>1.60</i> |
| <i>0.53</i> |

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other:

| | |
|----------------------|-------------|
| Start Time | <i>1440</i> |
| End Time | <i>1452</i> |
| Total Gallons Purged | <i>0.56</i> |

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|-------------|------------------|-------------|---------------------------------|--------------|-------------|--------------|---------------|------------------|
| <i>1442</i> | <i>flas cell</i> | <i>6.56</i> | <i>0.215</i> | <i>13.19</i> | <i>3.84</i> | <i>92.6</i> | <i>NM</i> | <i>clear</i> |
| <i>1448</i> | <i>0.25</i> | <i>6.39</i> | <i>0.219</i> | <i>10.16</i> | <i>3.84</i> | <i>105.2</i> | | |
| <i>1451</i> | <i>0.56</i> | <i>6.40</i> | <i>0.207</i> | <i>9.99</i> | <i>3.77</i> | <i>106.0</i> | | |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|-------------|-------------|-------------|-------------------------|----------|
| <i>BTEX</i> | <i>1455</i> | <i>3VDA</i> | <i>HCL</i> | |
| <i>6x</i> | <i>↓</i> | <i>↓</i> | <i>↓</i> | |
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End Time *1455*

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

1979.14
1976.36 / *Toc is 2.86 AGS*

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-4

EPI Groundwater Sampling Field Data

Project Name: *cle Elum MW 80*

Project Number: *71201*

Well ID: MW-2

Sample ID: MW-2

Field Conditions: Sunny + cold

Date: 1/25/16

Field Team: (Initials) SDM

Purge Information

Well Diameter (in.)
Well Depth (ft.)
Initial Depth to Water (ft.)
Depth of Water Column
3 Casing Volumes
1 Casing Volume
(2"=0.163 x depth)
(4"=0.653 x depth)

| |
|----------|
| 2 inch |
| 15 fop |
| 7.16 TOC |
| 7.84 |
| 3.83 |
| 1.30 |

Purge Method : Submersible pump

Bladder Pump

Peristaltic Pump

Other :

| | |
|----------------------|--|
| Start Time | 1204 |
| End Time | 1235 |
| Total Gallons Purged | 1.50 |

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------------|
| 1206 | <i>flask</i> | 6.27 | 0.413 | 11.26 | 7.93 | -4.1 | NM | <i>slightly cloudy</i> |
| 1209 | 0.15 | 6.26 | 0.415 | 3.65 | 7.87 | -31.9 | | <i>clear</i> |
| 1212 | 0.30 | 6.27 | 0.416 | 2.50 | 7.65 | -30.6 | | |
| 1215 | 0.50 | 6.19 | 0.413 | 2.41 | 7.62 | -18.4 | | |
| 1219 | 0.75 | 5.92 | 0.411 | 3.24 | 7.52 | -0.1 | | |
| 1223 | 1.0 | 5.78 | 0.412 | 3.66 | 7.43 | 14.9 | | |
| 1228 | 1.25 | 5.77 | 0.416 | 3.96 | 7.34 | 26.3 | | |
| 1231 | 1.40 | 5.81 | 0.423 | 4.03 | 7.39 | 30.5 | | |
| 1234 | 1.50 | 5.86 | 0.424 | 4.08 | 7.32 | 32.6 | | |
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Sample Information

Sample Method(s) Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|-------------|------|-------------|-------------------------|----------|
| <i>BTEX</i> | 1240 | 3 VOA | HCl | |
| <i>EX</i> | | | | |
| | | | | |
| | | | | |

End Time 1240

Comments / Exceptions:

Presence of floating product? YES/NO NO Presence of sinking product? YES/NO NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-2

EPI Groundwater Sampling Field Data

Project Name: 71201
Project Number:
Well ID: MW-12
Sample ID:
Field Conditions:

MW-12

Date: 2/4/16
 Field Team: (Initials) _____

Purge Information

Well Diameter (in.) _____
 Well Depth (ft.) _____
 Initial Depth to Water (ft.) 10.12
 Depth of Water Column _____
 3 Casing Volumes _____
 1 Casing Volume _____
 (2"=0.163 x depth)
 (4"=0.653 x depth)

 10.12

Purge Method : Submersible pump
 Bladder Pump
Peristaltic Pump
 Other: : _____

Start Time: 10:31
 End Time: _____
 Total Gallons Purged: _____

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1035 | 0.2 | 6.67 | 0.507 | 6.84 | 6.50 | 68.3 | — | Clear |
| 1038 | 0.4 | 6.54 | 0.504 | 5.56 | 6.51 | 80.3 | — | Clear |
| 1041 | 0.6 | 6.48 | 0.502 | 5.33 | 6.53 | 89.1 | — | Clear |
| 1044 | 0.8 | 6.49 | 0.507 | 5.19 | 6.54 | 87.0 | — | Clear |
| 1047 | 1.0 | 6.48 | 0.505 | 5.22 | 6.35 | 91.7 | — | Clear |
| 1050 | 1.2 | 6.43 | 0.506 | 5.25 | 6.22 | 98.3 | — | Clear |
| 1053 | 1.4 | 6.40 | 0.507 | 5.17 | 6.21 | 94.2 | — | Clear |
| 1056 | 1.6 | 6.40 | 0.509 | 5.11 | 6.23 | 92.3 | — | Clear |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| Gx+ BTEX | 1057 | 3 VOA | HCl | |
| | | | | |
| | | | | |
| | | | | |

End Time: _____

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-12

EPI Groundwater Sampling Field Data

Project Name: 71201
Project Number:
Well ID: MW-11
Sample ID:
Field Conditions:

Date: 2/4/16
Field Team: (Initials): CM

Purge Information

Well Diameter (in.)
 Well Depth (ft.)
 Initial Depth to Water (ft.)
 Depth of Water Column
 3 Casing Volumes
 1 Casing Volume
 (2"=0.163 x depth)
 (4"=0.653 x depth)

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| 24 |
| 6.14 |
| |
| |

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other:

Start Time: 1259
End Time:
Total Gallons Purged:

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1304 | 0.4 | 6.20 | 0.282 | 6.24 | 8.14 | 103.8 | — | Clear |
| 1307 | 0.6 | 6.18 | 0.281 | 6.11 | 8.16 | 104.6 | — | Clear |
| 1310 | 0.8 | 6.19 | 0.281 | 6.20 | 8.03 | 105.0 | — | Clear |
| 1313 | 1.0 | 6.17 | 0.282 | 6.20 | 8.02 | 106.6 | — | Clear |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|-----------|------|-------------|-------------------------|----------|
| Gx + BTEX | 1315 | 3 VOLS | HCl | |
| | | | | |
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End Time

Comments / Exceptions:

Presence of floating product? YES / NO
 Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-11

EPI Groundwater Sampling Field Data

Project Name:
Project Number:
Well ID:
Sample ID:
Field Conditions:

7/20/16

MW-10

Date: 2/4/16

Field Team: (Initials) Cy

Purge Information

Well Diameter (in.)
 Well Depth (ft.)
 Initial Depth to Water (ft.)
 Depth of Water Column
 3 Casing Volumes
 1 Casing Volume
 (2"=0.163 x depth)
 (4"=0.653 x depth)

| |
|-----|
| 2" |
| 565 |
| |
| |

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other:

Start Time: 1230
 End Time:
 Total Gallons Purged:

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1233 | 0.2 | 6.28 | 0.279 | 5.02 | 7.90 | 109.7 | — | Clear |
| 1236 | 0.4 | 6.23 | 0.280 | 4.73 | 7.96 | 108.4 | — | Clear |
| 1239 | 0.6 | 6.22 | 0.281 | 4.70 | 7.86 | 109.9 | — | Clear |
| 1242 | 0.8 | 6.18 | 0.281 | 4.70 | 7.79 | 112.3 | — | Clear |
| 1245 | 1.0 | 6.17 | 0.281 | 4.66 | 7.77 | 113.6 | — | Clear |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|-----------|------|-------------|-------------------------|----------|
| Gx + BTEX | 1246 | 3 VOA | HCl | |
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End Time:

Comments / Exceptions:

Presence of floating product? YES / NO

 Presence of sinking product? YES / NO

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Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-10

EPI Groundwater Sampling Field Data

Project Name: 71201
Project Number:
Well ID: MW-9
Sample ID:
Field Conditions:

Date: 2/4/16
 Field Team: (Initials) LG

Purge Information

Well Diameter (in.): 2"
 Well Depth (ft.):
 Initial Depth to Water (ft.): 6.09
 Depth of Water Column:
 3 Casing Volumes:
 1 Casing Volume:
 (2"=0.163 x depth)
 (4"=0.653 x depth)

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other:

Start Time: 1:02
 End Time:
 Total Gallons Purged:

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1208 | 0.2 | 6.34 | 0.324 | 5.96 | 7.00 | 102.4 | — | Clear |
| 1211 | 0.4 | 6.33 | 0.322 | 5.78 | 7.04 | 104.4 | — | Clear |
| 1214 | 0.6 | 6.31 | 0.324 | 5.70 | 7.06 | 103.5 | — | Clear |
| 1217 | 0.8 | 6.31 | 0.323 | 5.65 | 7.08 | 103.7 | — | Clear |
| 1220 | 1.0 | 6.32 | 0.322 | 5.60 | 7.18 | 103.3 | — | Clear |
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Sample Information

Sample Method(s): Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|-----------|------|-------------|-------------------------|----------|
| CX + BTEX | 1221 | 3 VOA | MC1 | |
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End Time: _____

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-9

EPI Groundwater Sampling Field Data

Project Name: A Q-71201
Project Number: _____
Well ID: MW-8 **Date:** 2/4/16
Sample ID: _____ **Field Team: (Initials)** _____
Field Conditions: _____

Purge Information

| | | | |
|------------------------------|------|----------------------|-------------------------|
| Well Diameter (in.) | 2" | Purge Method : | Submersible pump |
| Well Depth (ft.) | | | Bladder Pump |
| Initial Depth to Water (ft.) | 4.16 | | <u>Peristaltic Pump</u> |
| Depth of Water Column | | | Other: _____ |
| 3 Casing Volumes | | Start Time | 1113 |
| 1 Casing Volume | | End Time | |
| (2"=0.163 x depth) | | Total Gallons Purged | |
| (4"=0.653 x depth) | | | |

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1116 | 0.2 | 6.52 | 0.442 | 8.12 | 6.58 | 100.1 | - | Clear |
| 1119 | 0.4 | 6.35 | 0.442 | 6.32 | 6.62 | 106.5 | - | Clear |
| 1122 | 0.6 | 6.31 | 0.443 | 5.61 | 6.72 | 105.0 | - | Clear |
| 1125 | 0.8 | 6.36 | 0.445 | 5.15 | 6.73 | 101.6 | - | Clear |
| 1128 | 1.0 | 6.32 | 0.443 | 4.93 | 6.82 | 103.5 | - | Clear |
| 1131 | 1.2 | 6.32 | 0.443 | 4.91 | 6.70 | 103.3 | - | Clear |
| 1134 | 1.4 | 6.33 | 0.445 | 4.90 | 6.55 | 101.8 | - | Clear |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|-----------|------|-------------|-------------------------|----------|
| Gx + BTEX | 1135 | 3 WBA | HCl | |
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End Time

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

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Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-8

EPI Groundwater Sampling Field Data

Project Name: Cl...
Project Number: 76251
Well ID: MW-5
Sample ID: MW-5
Field Conditions: Clay + silty

Date: 2/19/15
Field Team: (Initials): BW

Purge Information

Well Diameter (in.) 2"
 Well Depth (ft.) 7.09'
 Initial Depth to Water (ft.) 7.09'
 Depth of Water Column
 3 Casing Volumes
 1 Casing Volume
 (2"=0.163 x depth)
 (4"=0.653 x depth)

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other:

Start Time: 0912
End Time: 0923
Total Gallons Purged: 0.50

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 0916 | flashed | 6.75 | 0.439 | 8.56 | 5.91 | 39.8 | NM | Brown / cloudy |
| 0919 | 0.25 | 6.82 | 0.910 | 4.91 | 5.81 | 73.0 | ↓ | clear |
| 0922 | 0.50 | 6.77 | 0.4105 | 4.65 | 5.82 | 26.0 | ↓ | ↓ |
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Sample Information

Sample Method(s): Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------------------|------|-------------|-------------------------|----------|
| NMPPH-G _v | 0925 | 2.0A | HCL | |
| BTEX | ↓ | ↓ | ↓ | |
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End Time: 0925

Comments / Exceptions:

Presence of floating product? YES / NO
 Presence of sinking product? YES / NO

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Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-5

EPI Groundwater Sampling Field Data

Project Name:
Project Number:
Well ID:
Sample ID:
Field Conditions:

cle flow m80
71201

Well ID: MW-7
Sample ID: MW-7
Field Conditions: *sa cloudy & cold*

Date: 2/9/16
Field Team: (Initials): BDM

Purge Information

Well Diameter (in.):
Well Depth (ft.):
Initial Depth to Water (ft.):
Depth of Water Column:
3 Casing Volumes:
1 Casing Volume:
(2"=0.163 x depth)
(4"=0.653 x depth)

2
6.08

Purge Method : Submersible pump
 Bladder Pump
Peristaltic Pump
 Other:

Start Time: 0829
End Time: 0841
Total Gallons Purged: 0.66

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|------------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 0830 | <i>Flow cell</i> | 7.34 | 0.198 | 8.90 | 6.26 | 205.2 | Nur | clear |
| 0834 | 0.25 | 7.32 | 0.198 | 8.03 | 6.34 | 205.6 | ↓ | ↓ |
| 0837 | 0.45 | 7.24 | 0.199 | 7.53 | 6.68 | 203.6 | ↓ | ↓ |
| 0840 | 0.65 | 7.17 | 0.198 | 7.35 | 6.81 | 200.8 | ↓ | ↓ |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|-----------------|------|-------------|-------------------------|----------|
| NWTPH - 6ix | 0845 | V6A | !!-L | |
| ETEX | 0845 | ↓ | | |
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End Time: 0845

Comments / Exceptions:

Presence of floating product? YES/NO NO

 Presence of sinking product? YES/NO NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-37

EPI Groundwater Sampling Field Data

Project Name: Site E/UMMA 80
Project Number: 71201
Well ID: MW-2
Sample ID: MW-2
Field Conditions: C1111111111

Date: 2/4/00
Field Team: (Initials): BOW

Purge Information

| | | |
|------------------------------|------|---------------------------------|
| Well Diameter (in.) | 2 | Purge Method : Submersible pump |
| Well Depth (ft.) | | Bladder Pump |
| Initial Depth to Water (ft.) | 7.15 | <u>Peristaltic Pump</u> |
| Depth of Water Column | | Other: |
| 3 Casing Volumes | | Start Time |
| 1 Casing Volume | | End Time |
| (2"=0.163 x depth) | | Total Gallons Purged |
| (4"=0.653 x depth) | | 0.65 |

| Time | Volume Gallons | pH | Conductivity ms/cm² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------|---------|----------|--------|---------------|------------------|
| 0851 | 0.15 | 6.96 | 5.451 | 9.29 | 6.37 | -98.6 | low | low |
| 0856 | 0.25 | 7.24 | 5.457 | 2.5 | 6.50 | -95.9 | ↓ | ↓ |
| 0900 | 0.50 | 7.16 | 5.455 | 1.51 | 6.3 | -96.2 | ↓ | ↓ |
| 0903 | 0.65 | 7.22 | 5.452 | 1.50 | 6.49 | -96.1 | ↓ | ↓ |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| NH4 - ox | 0905 | 2VA | 46 L | |
| TEY | ↓ | ↓ | ↓ | |
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End Time: 0905

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

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Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-2

EPI Groundwater Sampling Field Data

Project Name:
 Project Number:
 Well ID:
 Sample ID:
 Field Conditions:

MW-1

Date: 7/4/16
 Field Team: (Initials) [Signature]

Purge Information

Well Diameter (in.)
 Well Depth (ft.)
 Initial Depth to Water (ft.)
 Depth of Water Column
 3 Casing Volumes
 1 Casing Volume
 (2"=0.163 x depth)
 (4"=0.653 x depth)

2.11
 4.15'

Purge Method : Submersible pump
 Bladder Pump
 Peristaltic Pump
 Other:

Start Time: 9:55
 End Time:
 Total Gallons Purged:

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 938 | 0.2 | 6.84 | 0.542 | 1.65 | 6.58 | -61.9 | - | Clear |
| 941 | 0.4 | 6.83 | 0.561 | 1.36 | 6.52 | -68.6 | - | Clear |
| 944 | 0.6 | 6.78 | 0.556 | 1.88 | 6.50 | -64.4 | - | Clear |
| 947 | 0.8 | 6.78 | 0.551 | 2.24 | 6.47 | -59.5 | - | Clear |
| 950 | 1.0 | 6.75 | 0.577 | 2.75 | 6.39 | -50.3 | - | Clear |
| 953 | 1.2 | 6.73 | 0.514 | 3.10 | 6.42 | -45.2 | - | Clear |
| 956 | 1.4 | 6.71 | 0.498 | 3.36 | 6.41 | -40.5 | - | Clear |
| 959 | 1.6 | 6.68 | 0.485 | 3.57 | 6.43 | -38.0 | - | Clear |
| 1002 | 1.8 | 6.66 | 0.483 | 3.70 | 6.40 | -31.9 | - | Clear |
| 1005 | 2.0 | 6.65 | 0.479 | 3.77 | 6.39 | -30.1 | - | Clear |
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Sample Information

Sample Method(s) Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|-----------|------|-------------|-------------------------|----------|
| GX + BTEX | 1006 | 3 VOA | HCl | |
| | | | | |
| | | | | |
| | | | | |

End Time:

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

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Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-1

EPI Groundwater Sampling Field Data

Project Name:

Project Number:

Well ID:

Sample ID:

Field Conditions

~~100-10~~ MW-6

Date 2/5/16

Field Team: (Initials) SS

Purge Information

Well Diameter (in.)
Well Depth (ft.)
Initial Depth to Water (ft.)
Depth of Water Column
3 Casing Volumes
1 Casing Volume
(2"=0.163 x depth)
(4"=0.653 x depth)

| |
|-------|
| |
| |
| 12.02 |
| |
| |

Purge Method : Submersible pump

Bladder Pump

Peristaltic Pump

Other:

Start Time 0830

End Time

Total Gallons Purged

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 0835 | 0.1 | 4.57 | 0.124 | 8.21 | 5.19 | 57.2 | | clear |
| 0836 | 0.3 | 4.62 | 0.122 | 7.45 | 5.44 | 67.2 | | murky |
| 0839 | 0.5 | 4.71 | 0.118 | 7.53 | 5.55 | 62.1 | | clear |
| 0842 | 0.7 | 4.81 | 0.183 | 7.58 | 5.51 | 107.3 | | clear |
| 0845 | 0.9 | 5.46 | 0.186 | 7.61 | 5.62 | 116.9 | | clear |
| 0848 | 1.2 | 4.38 | 0.185 | 7.76 | 5.60 | 123.9 | | clear |
| 0851 | 1.4 | 4.32 | 0.185 | 7.75 | 5.53 | 124.5 | | clear |
| 0854 | 1.6 | 4.30 | 0.185 | 7.68 | 5.54 | 136.0 | | clear |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailor / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|-----------|------|------------------------|-------------------------|----------|
| GX + BTEX | 0855 | 40 mL Vol ₃ | Hel | |
| | | | | |
| | | | | |
| | | | | |

End Time

Comments / Exceptions:

Presence of floating product? YES / NO

Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-6

EPI Groundwater Sampling Field Data

Project Name:
Project Number:
Well ID:
Sample ID:
Field Conditions

Well ID: MW-4
 Sample ID:
 Field Conditions:

Date: 2/5/16
 Field Team: (Initials) JS

Purge Information

Well Diameter (in.)
 Well Depth (ft.)
 Initial Depth to Water (ft.)
 Depth of Water Column
 3 Casing Volumes
 1 Casing Volume
 (2"=0.163 x depth)
 (4"=0.653 x depth)

Well Diameter (in.): 2"
 Well Depth (ft.):
 Initial Depth to Water (ft.): 7.63
 Depth of Water Column:
 3 Casing Volumes:
 1 Casing Volume:

Purge Method : Submersible pump
 Bladder Pump
Peristaltic Pump
 Other:

Start Time: 0920
 End Time:
 Total Gallons Purged:

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 0925 | 0.2 | 7.02 | 0.178 | 11.20 | 3.37 | 128.1 | | clear |
| 0928 | 0.4 | 3.63 | 0.164 | 11.47 | 3.34 | 136.0 | | clear |
| 0931 | 0.6 | 3.77 | 0.167 | 10.87 | 3.34 | 134.8 | | clear |
| 0934 | 0.8 | 3.70 | 0.167 | 10.27 | 3.33 | 134.1 | | clear |
| 0937 | 1.0 | 3.64 | 0.167 | 10.23 | 3.62 | 134.4 | | clear |
| 0940 | 1.2 | 3.50 | 0.167 | 10.22 | 3.36 | 133.5 | | clear |
| 0943 | 1.4 | 3.49 | 0.168 | 10.25 | 3.47 | 134.4 | | clear |
| 0946 | 1.6 | 3.33 | 0.169 | 10.18 | 3.33 | 135.5 | | clear |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| Gxt BTEX | 0947 | 40mL VOA | HCl | |
| | | | | |
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End Time:

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

☆ PH reading inaccurately, flow cell cleaned
 - PH sensor still reading inaccurately

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-4

EPI Groundwater Sampling Field Data

Project Name:

Project Number:

Well ID:

Sample ID:

Field Conditions

MW-3

Date 2/5/16
Field Team: (Initials) JS

Purge Information

Well Diameter (in.)
Well Depth (ft.)
Initial Depth to Water (ft.)
Depth of Water Column
3 Casing Volumes
1 Casing Volume
(2"=0.163 x depth)
(4"=0.653 x depth)

| |
|------|
| |
| |
| 6.19 |
| |
| |

Purge Method : Submersible pump

Bladder Pump

Peristaltic Pump

Other: _____

Start Time 0950

End Time _____

Total Gallons Purged _____

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|-------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 0958 | 0.2 | 3.09 | 0.322 | 5.70 | 2.77 | 14.3 | | clear |
| 10:01 | 0.4 | 2.99 | 0.325 | 4.37 | 2.71 | -7.1 | | clear |
| 10:04 | 0.6 | 2.92 | 0.335 | 4.15 | 2.69 | -11.9 | | clear |
| 10:07 | 0.8 | 2.89 | 0.369 | 4.47 | 2.71 | -15.4 | | clear |
| 10:10 | 1.0 | 2.84 | 0.417 | 4.99 | 2.72 | -11.3 | | clear |
| 10:13 | 1.2 | 2.80 | 0.464 | 5.18 | 2.72 | -11.4 | | clear |
| 10:16 | 1.4 | 2.77 | 0.486 | 5.27 | 2.72 | -10.1 | | clear |
| 10:19 | 1.6 | 2.76 | 0.477 | 5.11 | 2.72 | -11.9 | | clear |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailor / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|------------|------|-------------|-------------------------|----------|
| GAX + BTEX | 1020 | 40ml VOA#3 | HCl | |
| | | | | |
| | | | | |
| | | | | |

End Time _____

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

Flow cell cleaned again, still not working.
pH reading incorrectly.

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-33

EPI Groundwater Sampling Field Data

Project Name: Clear Elm MM80

Project Number: 71201

Well ID: MW-9

Date: 2/16/16

Sample ID: MW-9

Field Team: (Initials) BDM

Field Conditions: Partly cloudy & cool

Purge Information

Well Diameter (in.)
Well Depth (ft.)
Initial Depth to Water (ft.)
Depth of Water Column
3 Casing Volumes
1 Casing Volume
(2"=0.163 x depth)
(4"=0.653 x depth)

| |
|---------|
| 2" |
| 13 ft |
| 5.64 ft |
| 7.84 |
| 4.81 |
| 1.60 |

3.16 ft

Purge Method : Submersible pump

Bladder Pump

Peristaltic Pump

Other: :

Start Time: 1302

End Time: 1317

Total Gallons Purged: 6.55

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1304 | Flow Cell | 6.61 | 0.146 | 18.66 | 7.84 | 206.2 | NM | Clear |
| 1308 | 0.25 | 6.28 | 0.143 | 7.80 | 7.44 | 210.3 | | |
| 1312 | 0.40 | 6.26 | 0.142 | 7.30 | 7.34 | 209.4 | | |
| 1316 | 0.55 | 6.24 | 0.142 | 6.98 | 7.30 | 208.9 | | |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|---------------------------------|------|-------------|-------------------------|----------|
| NH ₄ ⁺ -N | 1320 | 3V0A | HCl | |
| BTEX | ↓ | ↓ | ↓ | |
| | | | | |
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End Time: 1320

Comments / Exceptions:

Presence of floating product? YES/NO Presence of sinking product? YES/NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-9

EPI Groundwater Sampling Field Data

Project Name: Ck Elm m.m.80
Project Number: 71201
Well ID: MW-8
Sample ID: MW-8
Field Conditions: cloudy + cool

Date: 2/16/16
Field Team: (Initials): BDM

Purge Information

Well Diameter (in.)
 Well Depth (ft.)
 Initial Depth to Water (ft.)
 Depth of Water Column
 3 Casing Volumes
 1 Casing Volume
 (2"=0.163 x depth)
 (4"=0.653 x depth)

| |
|------------------|
| 2" |
| 14 fbg |
| 3.70 to 0.87 fbg |
| 13.13 |
| 6.42 |
| 2.14 |

Purge Method : Submersible pump
 Bladder Pump
Peristaltic Pump
 Other:

| | |
|----------------------|------|
| Start Time | 1236 |
| End Time | 1244 |
| Total Gallons Purged | 1.0 |

| Time | Volume Gallons | pH | Conductivity ms/cm² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------|---------|----------|--------|---------------|------------------|
| 1231 | flush cell | 6.53 | 0.223 | 37.60 | 7.30 | 212.6 | NA | clear |
| 1236 | 0.50 | 6.33 | 0.220 | 8.99 | 7.08 | 215.6 | | |
| 1240 | 0.75 | 6.24 | 0.219 | 8.31 | 7.01 | 214.9 | | |
| 1243 | 1.0 | 6.15 | 0.220 | 8.04 | 7.13 | 216.1 | | |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|----------|------|-------------|-------------------------|----------|
| NWTPH-6x | 1250 | 3VOA | HCl | |
| BTEX | ↓ | ↓ | ↓ | |
| | | | | |
| | | | | |
| | | | | |

End Time 1250

Comments / Exceptions:

Presence of floating product? YES / NO Presence of sinking product? YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-8

EPI Groundwater Sampling Field Data

Project Name: ck slm WMS0
Project Number: 71201
Well ID: MW-7
Sample ID: mw-7
Field Conditions: clay & sand

Date: 2/16/16
Field Team: (Initials): SAM

Purge Information

Well Diameter (in.): 2"
Well Depth (ft.): 15' Bog
Initial Depth to Water (ft.): 5.59
Depth of Water Column: 9.41
3 Casing Volumes: 4.6
1 Casing Volume: 1.53
(2"=0.163 x depth)
 (4"=0.653 x depth)

Purge Method : Submersible pump
 Bladder Pump
Peristaltic Pump
 Other: _____
Start Time: 1001
End Time: 1025
Total Gallons Purged: 1.50

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1004 | flush cell | 7.12 | 0.078 | 30.05 | 7.12 | 247.6 | NM | Clear |
| 1008 | 0.50 | 3.75 | 0.079 | 15.17 | 6.96 | 393.9 | | |
| 1012 | 0.70 | 4.12 | 0.078 | 11.46 | 6.84 | 366.4 | | |
| 1016 | 1.0 | 5.02 | 0.076 | 10.61 | 6.82 | 320.2 | | |
| 1020 | 1.25 | 5.48 | 0.075 | 10.51 | 6.82 | 296.5 | | |
| 1024 | 1.50 | 5.71 | 0.075 | 10.45 | 6.83 | 285.4 | | |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|-----------|------|-------------|-------------------------|----------|
| NWTPH-Glx | 1030 | 300A | HCL | |
| BTEX | ↓ | ↓ | ↓ | |
| | | | | |
| | | | | |
| | | | | |

End Time: 1030

Comments / Exceptions:

Presence of floating product? YES / NO **Presence of sinking product?** YES / NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-7

EPI Groundwater Sampling Field Data

Project Name: Cle Elum NW 80
Project Number: 71201
Well ID: MW-5
Sample ID: MW-5
Field Conditions: cloudy & cold
Date: 2/16/16
Field Team: (Initials): BEM

Purge Information

Well Diameter (in.): 2"
Well Depth (ft.): 15 ft
Initial Depth to Water (ft.): 6.59
Depth of Water Column: 8.41
3 Casing Volumes: 4.11
1 Casing Volume: 1.37
Purge Method: Submersible pump
 Bladder Pump
Peristaltic Pump
 Other: _____
Start Time: 1106
End Time: 1123
Total Gallons Purged: 1.0
 (2"=0.163 x depth)
 (4"=0.653 x depth)

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1108 | Flow cell | 6.61 | 0.397 | 16.38 | 6.55 | 159.9 | NM | clear |
| 1115 | 0.50 | 5.95 | 0.392 | 8.17 | 6.03 | 188.1 | | |
| 1119 | 0.75 | 5.87 | 0.395 | 7.73 | 6.20 | 192.6 | | |
| 1122 | 1.0 | 5.95 | 0.395 | 7.69 | 5.96 | 192.4 | | |
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Sample Information

Sample Method(s) : Peristaltic pump / Submersible pump / Bladder Pump / Bailor / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|------------------------|------|-------------|-------------------------|----------|
| NWTPH - 6 ₂ | 1130 | 3VOA | HCl | |
| BTEX | 2 | I | I | |
| | | | | |
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End Time: 1130

Comments / Exceptions:
 Presence of floating product? YES/ NO Presence of sinking product? YES/ NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-5

EPI Groundwater Sampling Field Data

Project Name: Clear Creek
Project Number: 71201
Well ID: MW-4
Sample ID: MW-4
Field Conditions: Partly cloudy & cool

Date: 2/16/16
Field Team: (Initials): ESM

Purge Information

Well Diameter (in.): 2"
Well Depth (ft.): 8' bgy
Initial Depth to Water (ft.): 7.12 TOC 4.32 bgy
Depth of Water Column: 3.65
3 Casing Volumes: 1.80
1 Casing Volume: 0.60
(2"=0.163 x depth)
(4"=0.653 x depth)

Purge Method: Submersible pump
 Bladder Pump
Peristaltic Pump
 Other: _____
Start Time: 1344
End Time: 1355
Total Gallons Purged: 0.55

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1346 | Flow cell | 7.11 | 0.090 | 23.07 | 6.05 | 203.8 | nm | clear |
| 1351 | 0.40 | 6.78 | 0.091 | 12.38 | 5.18 | 224.9 | ↓ | ↓ |
| 1354 | 0.55 | 6.15 | 0.091 | 12.05 | 5.11 | 249.7 | ↓ | ↓ |
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Sample Information

Sample Method(s): Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|---|------|-------------|-------------------------|----------|
| NH ₄ ⁺ / NO ₃ ⁻ / NO ₂ ⁻ / Cu | 1400 | 3VOA | HCl | |
| BTEX | ↓ | ↓ | ↓ | |
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End Time: 1400

Comments / Exceptions:
 Presence of floating product? YES / NO NO Presence of sinking product? YES / NO NO

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-4

EPI Groundwater Sampling Field Data

Project Name: C6 ELM: MM80

Project Number: 71201

Well ID: MW-2
Sample ID: MW-2
Field Conditions: cloudy ↓ soil

Date: 2/16/16
Field Team: (Initials): ROM

Purge Information

Well Diameter (in.): 2"
Well Depth (ft.): 15 ft
Initial Depth to Water (ft.): 6.66
Depth of Water Column: 8.34
3 Casing Volumes: 4.10
1 Casing Volume: 1.36
(2"=0.163 x depth)
 (4"=0.653 x depth)

Purge Method: Submersible pump
 Bladder Pump
Peristaltic Pump
 Other: _____
Start Time: 1036
End Time: 1058
Total Gallons Purged: 1.50

| Time | Volume Gallons | pH | Conductivity ms/cm ² | DO mg/L | Temp. °C | ORP mV | Turbidity NTU | Appearance/Notes |
|------|----------------|------|---------------------------------|---------|----------|--------|---------------|------------------|
| 1038 | Flowcell | 6.69 | 0.179 | 9.09 | 7.27 | 170.6 | N/A | Clear |
| 1042 | 0.40 | 6.46 | 0.179 | 5.13 | 7.36 | 148.5 | | |
| 1046 | 0.60 | 6.40 | 0.178 | 5.91 | 7.25 | 138.8 | | |
| 1050 | 0.85 | 6.40 | 0.179 | 6.08 | 7.16 | 132.2 | | |
| 1054 | 1.25 | 6.31 | 0.175 | 6.49 | 7.01 | 137.9 | | |
| 1058 | 1.50 | 6.29 | 0.172 | 6.55 | 7.09 | 143.2 | | |
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Sample Information

Sample Method(s): Peristaltic pump / Submersible pump / Bladder Pump / Bailer / Other

| Analysis | Time | Bottle Type | Preservative/Filtration | Comments |
|-----------|------|-------------|-------------------------|----------|
| NUTPH-Glx | 1105 | 300A | HCl | |
| BTEX | ↓ | ↓ | ↓ | |
| | | | | |
| | | | | |
| | | | | |

End Time: 1105

Comments / Exceptions:
 Presence of floating product? YES (NO) Presence of sinking product? YES (NO)

Notes: Where multiple visits are required to complete sampling, parameters are to be checked prior to sampling for each visit. Enter data under field comments.

MW-2

22/10

7.2.17

| | | | |
|------|----------------------|------------------------------|------|
| 0700 | C. McFadden | on-site @ Bullford | |
| 0720 | collected | DTW | |
| | measuring point | DTW (ft) | |
| | MW-6 | 12.67 | |
| | MW-4 MW-4 | 7.48 | |
| | MW-3 | 5.99 | |
| | MW-8 | 3.92 | |
| | MW-9 | 5.85 | |
| | MW-10 | 5.43 | |
| | MW-11 | 5.93 | |
| | MW-12 | 9.84 | |
| | MW-7 | 5.83 | |
| | MW-2 | 6.91 | |
| | MW-1 | 8.92 | |
| | MW-5 | 6.83 | |
| 903 | DTW | collected from all wells | |
| 905 | pt | plastic ruler down | MW-5 |
| | | No Sheen or visible products | |
| 912 | Calibrate | YSI | |
| | field parameters | on next pg | |

Plot on site plan

2/22/16

7/20/11

| MW-8 | Start | 932 | | | | | | | |
|------|----------------------------------|-------|------|------|-------|-------|--|--|--|
| Time | pH | Cond | Do | Temp | DRP | App | | | |
| 935 | 7.78 | 0.121 | 6.57 | 5.40 | 221.2 | Clear | | | |
| 938 | 7.22 | 0.181 | 6.40 | 5.58 | 219.5 | Clear | | | |
| 941 | 7.02 | 0.176 | 6.57 | 5.64 | 216.2 | Clear | | | |
| 944 | 6.42 | 0.174 | 6.97 | 5.68 | 222.0 | Clear | | | |
| 947 | 6.86 | 0.173 | 6.36 | 5.70 | 202.8 | Clear | | | |
| 950 | 6.32 | 0.174 | 6.56 | 5.72 | 204.0 | Clear | | | |
| 953 | 6.80 | 0.174 | 6.71 | 5.74 | 220.0 | Clear | | | |
| 956 | 6.79 | 0.173 | 6.89 | 5.73 | 202.4 | Clear | | | |
| 959 | 6.77 | 0.173 | 6.64 | 5.78 | 194.2 | Clear | | | |
| 1000 | Sample collected. 2.2 gal purged | | | | | | | | |

| MW-9 | Start | 1010 | | | | | | | |
|------|--------------------------------------|-------|------|------|-------|-------|--|--|--|
| Time | pH | Cond | Do | Temp | DRP | App | | | |
| 1013 | 6.89 | 0.31 | 6.40 | 6.12 | 209.4 | Clear | | | |
| 1016 | 6.83 | 0.129 | 6.36 | 6.03 | 208.7 | Clear | | | |
| 1019 | 6.80 | 0.129 | 6.33 | 6.01 | 208.3 | Clear | | | |
| 1022 | 6.79 | 0.128 | 6.31 | 6.09 | 207.8 | Clear | | | |
| 1025 | 6.78 | 0.128 | 6.30 | 6.06 | 208.7 | Clear | | | |
| 1026 | Sample collected. 1.2 gal purged | | | | | | | | |
| 1037 | Empty. Ruvge water into C-13 & drain | | | | | | | | |

2/22/10

7/20/11

| MW-10 | Start | 1045 | | | | | | | |
|-------|----------------------------------|-------|------|------|-------|-------|--|--|--|
| Time | pH | Cond | Do | Temp | DRP | App | | | |
| 1047 | 6.62 | 0.119 | 5.36 | 6.66 | 221.1 | Clear | | | |
| 1050 | 6.60 | 0.120 | 5.15 | 6.65 | 217.0 | Clear | | | |
| 1053 | 6.57 | 0.119 | 5.60 | 6.52 | 208.3 | Clear | | | |
| 1056 | 6.59 | 0.119 | 5.23 | 6.53 | 209.6 | Clear | | | |
| 1059 | 6.59 | 0.120 | 5.24 | 6.50 | 209.8 | Clear | | | |
| 1102 | 6.59 | 0.119 | 5.17 | 6.59 | 209.7 | Clear | | | |
| 1108 | Sample collected. 1.4 gal purged | | | | | | | | |

| MW-11 | Start | 118 | | | | | | | |
|-------|------------------|-------|------|------|-------|-------|--|--|--|
| Time | pH | Cond | Do | Temp | DRP | App | | | |
| 1120 | 6.87 | 0.119 | 7.18 | 6.78 | 207.8 | Clear | | | |
| 1123 | 6.83 | 0.119 | 7.26 | 6.52 | 206.2 | Clear | | | |
| 1126 | 6.81 | 0.114 | 7.22 | 6.54 | 204.7 | Clear | | | |
| 1129 | 6.81 | 0.118 | 7.19 | 6.55 | 204.7 | Clear | | | |
| 1132 | 6.91 | 0.118 | 7.23 | 6.50 | 204.1 | Clear | | | |
| 1133 | Sample collected | | | | | | | | |
| 1146 | Start MW-12 | | | | | | | | |

| MW-12 | Start | 12 | | | | | | | |
|-------|-------|-------|------|------|-------|-------|--|--|--|
| Time | pH | Cond | Do | Temp | DRP | App | | | |
| 1150 | 6.72 | 0.190 | 6.61 | 6.18 | 224.5 | Clear | | | |
| 1153 | 6.70 | 0.190 | 6.63 | 6.11 | 225.8 | Clear | | | |
| 1156 | 6.70 | 0.190 | 6.65 | 6.14 | 226.7 | Clear | | | |
| 1159 | 6.70 | 0.190 | 6.60 | 6.22 | 227.3 | Clear | | | |
| 1202 | 6.70 | 0.190 | 6.65 | 6.16 | 227.9 | Clear | | | |

1.4 gal purged

Sample collected.

1.4 gal purged

1.4 gal purged

2/23/16

7:20

| Time | Start | Cond | Do | Temp | ORP | App |
|------|------------------|-------|-------|------|--------|-------|
| 824 | 7:07 | 0.077 | 7.56 | 4.43 | 247.4 | Clear |
| 807 | 7:01 | 0.077 | 7.19 | 4.44 | 246.5 | Clear |
| 810 | 6:44 | 0.076 | 7.14 | 4.47 | 247.3 | Clear |
| 813 | 6:44 | 0.076 | 7.09 | 4.53 | 247.9 | Clear |
| 816 | 6:44 | 0.075 | 7.05 | 4.71 | 248.0 | Clear |
| 817 | Sample collected | | 1.4 | 5.6 | purged | |
| 827 | Start | MW-4 | | | | |
| Time | pH | Cond | Do | Temp | ORP | App |
| 830 | 7.50 | 0.090 | 10.00 | 3.80 | 244.1 | Clear |
| 833 | 7.51 | 0.085 | 10.06 | 3.84 | 244.4 | Clear |
| 836 | 7.51 | 0.083 | 9.97 | 3.85 | 245.3 | Clear |
| 839 | 7.50 | 0.083 | 10.00 | 3.88 | 246.8 | Clear |
| 840 | Sample collected | | 1.2 | 5.2 | purged | |
| 850 | Start | MW-3 | | | | |
| Time | pH | Cond | Do | Temp | ORP | App |
| 853 | 7.51 | 0.152 | 3.29 | 3.40 | -51.3 | Clear |
| 856 | 7.47 | 0.140 | 3.28 | 3.42 | -37.4 | Clear |
| 859 | 7.46 | 0.142 | 4.49 | 3.46 | -22.2 | Clear |
| 902 | 7.28 | 0.161 | 5.32 | 3.13 | 3.3 | Clear |
| 905 | 7.22 | 0.167 | 5.10 | 3.39 | 3.5 | Clear |
| 908 | 7.22 | 0.167 | 5.12 | 3.44 | 3.2 | Clear |
| 911 | 7.22 | 0.169 | 5.09 | 3.5 | 3.7 | Clear |

2/23/16

11:20

| Time | Start | Cond | Do | Temp | ORP | App |
|------|--------|---|---|---------------------------------|------------------|-------|
| 954 | 7:10 | 0.237 | 0.61 | 5.17 | -83.4 | Clear |
| 957 | 7:14 | 0.240 | 0.95 | 5.41 | -92.0 | Clear |
| 1000 | 7:02 | 0.234 | 0.22 | 5.48 | -51.6 | Clear |
| 1003 | 6:53 | 0.218 | 5.87 | 5.45 | -33.6 | Clear |
| 1006 | 6:52 | 0.209 | 4.59 | 5.45 | -29.5 | Clear |
| 1009 | 6:50 | 0.201 | 5.03 | 5.47 | -24.6 | Clear |
| 1012 | 6:35 | 0.200 | 4.25 | 5.45 | -23.7 | Clear |
| 1015 | 6:34 | 0.197 | 5.31 | 5.46 | -28.7 | Clear |
| 1016 | Sample | 1.1 | 2.0 | gal purged | | |
| 1019 | Start | MW-2 | | | | |
| Time | pH | Cond <td>Do <td>Temp <td>ORP <td>App</td> </td></td></td> | Do <td>Temp <td>ORP <td>App</td> </td></td> | Temp <td>ORP <td>App</td> </td> | ORP <td>App</td> | App |
| 1024 | 7.49 | 0.192 | 3.6 | 5.13 | -49.5 | Clear |
| 1032 | 7.32 | 0.155 | 3.50 | 5.67 | -68.3 | Clear |
| 1034 | 7.08 | 0.148 | 4.13 | 5.60 | -20.4 | Clear |
| 1035 | 6.97 | 0.140 | 5.59 | 5.64 | 0.0 | Clear |
| 1038 | 6.92 | 0.142 | 6.01 | 5.64 | 17.6 | Clear |
| 1041 | 6.89 | 0.140 | 5.19 | 5.71 | 27.5 | Clear |
| 1044 | 6.87 | 0.140 | 6.40 | 5.77 | 30.2 | Clear |
| 1047 | 6.87 | 0.139 | 6.42 | 5.78 | 35.9 | Clear |
| 1048 | Sample | collected | 2.0 | gal purged | | |

Return to Room

5/11/66 11261

| Time | pH | Cond | DO | Temp | APP | ORP |
|------|---------------------------------|-------|------|------|------------|------------|
| 833 | 6.84 | 0.102 | 8.29 | 4.79 | Clear-0.03 | Clear-0.03 |
| 838 | 7.04 | 0.099 | 4.32 | 4.93 | Clear-5.70 | Clear-5.70 |
| 841 | 7.11 | 0.090 | 4.45 | 5.02 | Clear-5.86 | Clear-5.86 |
| 844 | 7.14 | 0.084 | 4.55 | 5.07 | Clear-5.15 | Clear-5.15 |
| 847 | 7.14 | 0.080 | 4.70 | 5.08 | Clear | Clear |
| 848 | Sample collected 1.2 gal purged | | | | | |
| 858 | Start MW-2 | | | | | |
| Time | pH | Cond | DO | Temp | ORP | APP |
| 901 | 7.13 | 0.107 | 2.24 | 5.29 | -32.1 | Clear |
| 904 | 7.12 | 0.109 | 1.91 | 5.27 | -34.6 | Clear |
| 907 | 7.09 | 0.110 | 2.56 | 5.37 | -33.1 | Clear |
| 910 | 7.05 | 0.114 | 3.32 | 5.35 | -21.9 | Clear |
| 913 | 7.00 | 0.118 | 3.52 | 5.27 | -12.1 | Clear |
| 916 | 7.08 | 0.119 | 2.60 | 5.35 | -17.9 | Clear |
| 917 | Sample collected 1.2 gal purged | | | | | |
| 919 | Move to MW-12 | | | | | |
| Time | pH | Cond | DO | Temp | ORP | APP |
| 932 | 6.89 | 0.124 | 2.67 | 5.29 | 41.4 | Clear |
| 935 | 6.81 | 0.124 | 6.93 | 5.28 | 55.9 | Clear |
| 938 | 6.76 | 0.124 | 6.71 | 5.27 | 63.0 | Clear |
| 941 | 6.71 | 0.124 | 6.62 | 5.50 | 67.7 | Clear |
| 944 | 6.70 | 0.124 | 6.64 | 5.25 | 78.4 | Clear |
| 945 | Sample collected 1.1 gal purged | | | | | |

11261 5/11/66

705 (All Facilities on site)

730 Collect MW

purchase only part 720

| | |
|-------|----------------|
| MW-1 | 6.94 |
| MW-7 | 5.86 |
| MW-2 | 8.54 |
| MW-12 | 1.89 |
| MW-8 | 3.97 |
| MW-9 | 5.89 |
| MW-10 | 5.48 |
| MW-11 | 5.98 |
| MW-5 | 6.85 |
| MW-3 | 6.01 |
| MW-4 | 7.40 |
| MW-6 | 12.03 |
| MW-13 | 14.80 |
| 810 | Calibrate YSI |
| 820 | Set up on MW-1 |

3/4/14

| Time | pH | Cond | Do | Temp | DRP | APP |
|------|----------------------------------|-------|-------|------|------|-------|
| 957 | 6.72 | 0.145 | 5.74 | 4.97 | 80.5 | Clear |
| 1000 | 6.64 | 0.144 | 5.60 | 4.97 | 81.1 | Clear |
| 1003 | 6.67 | 0.145 | 5.46 | 4.96 | 82.0 | Clear |
| 1006 | 6.71 | 0.145 | 5.44 | 4.96 | 82.4 | Clear |
| 1009 | 6.68 | 0.145 | 5.42 | 4.97 | 82.5 | Clear |
| 1010 | Sample collected. 1.2 gal purged | | | | | |
| 1021 | Start MW-3 | | | | | |
| Time | pH | Cond | Do | Temp | DRP | APP |
| 1024 | 6.91 | 0.095 | 3.86 | 4.39 | 40.7 | Clear |
| 1027 | 6.85 | 0.092 | 3.43 | 4.39 | 36.8 | Clear |
| 1030 | 6.97 | 0.091 | 3.25 | 4.41 | 35.8 | Clear |
| 1033 | 6.92 | 0.088 | 3.11 | 4.43 | 34.1 | Clear |
| 1036 | 7.07 | 0.084 | 3.54 | 4.42 | 35.2 | Clear |
| 1039 | 7.08 | 0.084 | 3.59 | 4.42 | 35.6 | Clear |
| 1042 | 7.07 | 0.084 | 3.66 | 4.42 | 36.3 | Clear |
| 1043 | Sample collected. | | | | | |
| 1147 | Start MW-6 | | | | | |
| Time | pH | Cond | Do | Temp | DRP | APP |
| 1149 | 7.27 | 0.053 | 11.69 | 5.04 | 76.4 | Clear |
| 1152 | 7.36 | 0.052 | 9.09 | 5.09 | 76.1 | Clear |
| 1155 | 7.36 | 0.052 | 8.08 | 5.12 | 74.8 | Clear |
| 1158 | 7.29 | 0.052 | 7.82 | 5.14 | 82.1 | Clear |
| 1201 | 7.27 | 0.051 | 7.74 | 5.12 | 80.9 | Clear |

7/201

MW-5

| Time | pH | Cond | Do | Temp | DRP | APP |
|------|-----------------------|-------|------|------|------|-------|
| 7:26 | Sample collected. | | | | | |
| 7:27 | Start MW-3 | | | | | |
| Time | pH | Cond | Do | Temp | DRP | APP |
| 1213 | 6.68 | 0.072 | 7.03 | 4.71 | 86.0 | Clear |
| 1218 | 6.91 | 0.073 | 6.91 | 4.72 | 89.6 | Clear |
| 1221 | 6.92 | 0.073 | 6.59 | 4.70 | 88.9 | Clear |
| 1224 | 7.06 | 0.074 | 6.49 | 4.69 | 89.9 | Clear |
| 1227 | 7.03 | 0.075 | 6.39 | 4.67 | 90.2 | Clear |
| 1230 | 7.10 | 0.075 | 6.36 | 4.68 | 90.2 | Clear |
| 1231 | Sample collected. | | | | | |
| 1256 | Start MW-14 | | | | | |
| Time | pH | Cond | Do | Temp | DRP | APP |
| 1301 | 7.02 | 0.082 | 7.31 | 4.38 | 89.8 | Clear |
| 1304 | 6.99 | 0.082 | 7.31 | 4.46 | 91.7 | Clear |
| 1307 | 6.96 | 0.082 | 7.13 | 4.41 | 91.3 | Clear |
| 1310 | 6.77 | 0.081 | 6.87 | 4.42 | 91.9 | Clear |
| 1313 | 6.71 | 0.081 | 6.94 | 4.42 | 90.1 | Clear |
| 1316 | 6.89 | 0.081 | 7.03 | 4.42 | 90.7 | Clear |
| 1317 | Sample collected | | | | | |
| 1405 | C. M. Gubler off-site | | | | | |

Return to Rain

Attachment F
Soil Disposal Documentation



STRAIGHT BILL OF LADING - ORIGINAL - NOT NEGOTIABLE



9520 10th Avenue S. Suite 150
Seattle, WA 98108

Tracking No. 65669

Carrier SCAC Carrier's No. _____
 RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations:

at _____, date 12-4-15 from _____
 the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on it's route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

TO: PRS GROUP **FROM:** KAG WEST
 Consignee 3003 TAYLOR WAY Shipper I-90, MP-80
 Street TACOMA, WA Origin CLE ELUM, WA
 Destination Zip 98421 Zip 98922

| Delivering Carrier | | Vehicle Number | U.S. DOT Hazmat Reg. Number | | | | | |
|-----------------------------|----|----------------|---------------------------------|--------------|-----------|--|--------------------------------|---------------|
| Number and Type of Packages | HM | I.D. Number | Description of Articles | Hazard Class | Pkg. Grp. | Total Quantity (mass, volume, or activity) | Weight (subject to correction) | Class or Rate |
| <u>TT</u> | | | <u>GASOLINE + WATER MIXTURE</u> | | | <u>600</u> | <u>6AL</u> | |
| | | | <u>300 GALS GAS / 300 WATER</u> | | | | | |
| | | | <u>JOB # 100319</u> | | | | | |
| | | | <u>PO # 100319-JB</u> | | | | | |
| | | | <u>PROFILE # 5205-b</u> | | | | | |

Address: _____ City: _____ State: _____ Zip: _____
 NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____
 Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
 (Signature of Consignor) _____

COD AMT: \$ _____
COD FEE: Prepaid Collect \$ _____
TOTAL CHARGES: \$ _____
FREIGHT CHARGES: Prepaid Collect

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706 (c)(1)(A) and (B).
 This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per _____
PLACARDS REQUIRED BY SHIPPER BY CARRIER
DRIVER'S SIGNATURE: _____

SHIPPER: KAG WEST CARRIER: PRS
 PER: _____ DATE: 12/4/15 PER: [Signature] DATE: 12/4/15
 EMERGENCY RESPONSE TELEPHONE NUMBER: (800) 337-7455
 Monitored at all times the Hazardous Material is in transport or including storage incidental to transportation (172.604).

PRS 1 [Signature]

100319



PRS Group, Inc.

ENTRY LOG FOR NON-HAZARDOUS ITEMS

3003 Taylor Way
Tacoma, WA 98421

Phone: (253)383-4175 Fax: (253)383-4531
prs@prsplant.net

| | | |
|-----------------------------|------------------------------|------------------------|
| Date: 1-15-2016 | Carrier: Nrc | Vehicle #: 2058 |
| Drivers Signature *: | Plant Employee: Kenny | Time: 8:18 AM |

| Generator Name | Profile # | Work Order, BOL, Or Manifest # | % Water: 80% | | Ph: 6.5 | | Flash>140 <input checked="" type="checkbox"/> | | Other Value (Fuel Only): | | | |
|-----------------------|-----------|--------------------------------|--------------|------------------|---------------------|----------------|--|-------------|---|-----------|-------------|-------|
| | | | % Solids: 0% | | Tank # Or Area: 10A | | Chlor Test: NA <input checked="" type="checkbox"/> | | Chlor Value <1000: <input type="checkbox"/> | | | |
| | | | Used Oil | Spent Antifreeze | Used Oil Filters | Off Spec. Fuel | Oily Waste Water | Oily Solids | PCS | Absorbent | Empty Drums | Other |
| Kenan Advantage Group | 5205 -b | 100319-Jb | | | | | 600g | | | | | oc |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |

* The information contained in this entry log describes your waste as specified in the specific waste profile approved in to the PRS facility. Please verify the information for accuracy prior to signing.

Attachment G
Water Disposal Documentation



LOAD TICKET

41 Rocky Top Road
Yakima, WA 98908

Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock

DELIVERIES
We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for damages resulting from such deliveries.

Received by _____

Date 2/19/15 Sold by _____

A. Cured concrete
B. Asphaltic materials (does not include roofing)
C. Brick and masonry
D. Ceramic materials
E. Glass
F. Stainless Steel
G. Aluminum
H. Lime
I. Dirt Rock
J. Bldg. Demolition

Name ARC Environmental

Address Jason Breen

Phone Home (509) 730-5444 Office _____

P.O. # PCS

Job # Blom Tanker Roll-over Spill

Hauled by Michael Gibson Truck Rental

| WEIGHT TICKET # | TIME | TRUCK NO. | QUANTITY | PRODUCT | UNIT PRICE | AMOUNT |
|-----------------|------|-----------|----------|---------|------------|-------------|
| 130889 | 2:42 | 1 P51 | 26.87 | PCS | 30.00 | 806.10 |
| 130891 | 2:46 | 2 P109 | 24.90 | PCS | 30.00 | 747.00 |
| 130890 | 2:53 | 3 | 27.76 | PCS | 30.00 | 832.80 |
| 130893 | 2:53 | 4 18 | 21.34 | PCS | 30.00 | 640.20 |
| 130892 | 2:55 | 5 3 | 25.19 | PCS | 30.00 | 755.70 |
| 130896 | 2:54 | 6 509 | 24.32 | PCS | 30.00 | 729.60 |
| 130897 | 2:48 | 7 5 | 23.71 | PCS | 30.00 | 711.30 |
| 130898 | 3:29 | 8 2 | 26.10 | PCS | 30.00 | 783.00 |
| | | 9 | | | | |
| | | 10 | 200.19 | | | 6,005.70 |
| | | 11 | | | | 474.95 |
| | | 12 | | | | |
| | | | | | | \$10,480.15 |
| | | TOTAL | | | | |

DATE BILLED

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY?
 YES NO

OUT OF CITY?
 YES NO

4400.20



LOAD TICKET

77678

41 Rocky Top Road
Yakima, WA 98908

Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock

DELIVERIES

We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for damages resulting from such deliveries.

Name NRC Environmental
Address Job # 100771 PO # 100771-JB
Jasmin Blair
Phone (Home) 730-3444
Office

Received by

Date 12/20/15 Sold by

- A. Cured concrete
- B. Asphaltic materials (does not include roofing)
- C. Brick and masonry
- D. Ceramic materials
- E. Glass
- F. Stainless Steel
- G. Aluminum
- H. Lime
- I. Dirt Rock
- J. Bldg. Demolition

P.O. # PCS
Job # Elum Tanker Roll-over Spill m jobs
Billed by L. Moore / CF / Justin Moore / Redial

| WEIGHT TICKET # | TIME | TRUCK NO. | QUANTITY | PRODUCT | UNIT PRICE | AMOUNT |
|-----------------|------|-----------|----------|---------|------------|------------|
| 130804 | 1:35 | 1051 | 34.30 | PCS | 30. | 1029.00 |
| 130805 | 1:38 | 203 | 27.29 | PCS | 30. | 818.70 |
| 130806 | 2:00 | 30109 | 31.44 | PCS | 30. | 943.20 |
| 130807 | 2:30 | 403 | 31.46 | PCS | 30. | 943.80 |
| 130808 | 2:44 | 509 | 32.58 | PCS | 30. | 977.40 |
| 130809 | 2:49 | 618 | 31.69 | PCS | 30. | 950.70 |
| 130870 | 3:15 | 705 | 25.25 | PCS | 30. | 757.50 |
| 130871 | 3:50 | 809 | 31.43 | PCS | 30. | 942.90 |
| | 9 | | | | | |
| | 10 | | 245.44 | | | 7,363.20 |
| | 11 | | | | | 581.69 |
| | 12 | | | | | |
| | | | | | | \$ 7944.89 |
| | | TOTAL | | | | |

DATE BILLED

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY?
 YES NO
 OUT OF CITY?
 YES NO

JOB# 100111 PO# 100111-315

~~200.19~~
200.19



LOAD TICKET

NO 77671

41 Rocky Top Road
Yakima, WA 98908

Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock

DELIVERIES
We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for damages resulting from such deliveries.

Received by _____

Date 12/30/15 Sold by _____

A. Cured concrete
B. Asphaltic materials (does not include roofing)
C. Brick and masonry
D. Ceramic materials

E. Glass
F. Stainless Steel
G. Aluminum
H. Lime
I. Dirt Rock
J. Bldg. Demolition

Name ARC Environmental

Address _____

Phone (Home) 730-5444

Office _____

P.O. # PCS

Job # Aluminum Tanker Roll-over Spill

Hauled by JWC/CF/Justin Moore

| WEIGHT TICKET # | TIME | TRUCK NO. | QUANTITY | PRODUCT | UNIT PRICE | AMOUNT |
|-------------------|------------------|------------------|----------|---------|------------|-------------|
| 130850 | 9:54 | 1 P104 | 24.83 | PCS | 30.00 | 744.90 |
| 130851 | 10:04 | 2 P51 | 27.27 | PCS | 30.00 | 818.10 |
| 130852 | 10:10 | 3 3'side | 29.09 | PCS | 30.00 | 872.70 |
| 130854 | 10:39 | 4 18'x4' | 25.49 | PCS | 30.00 | 764.70 |
| 130855 | 10:46 | 5 3'x4' | 24.37 | PCS | 30.00 | 731.10 |
| 130858 | 0:59 | 6 509 | 27.14 | PCS | 30.00 | 814.20 |
| 130850 | 10:52 | 7 9 | 26.89 | PCS | 30.00 | 806.70 |
| 130858 | 10:59 | 8 800 | | | | |
| 130859 | 11:09 | 9 5 | 25.93 | PCS | 30.00 | 777.90 |
| 1308602 | 11:25 | 10 2 | 27.38 | PCS | 30.00 | 821.40 |
| 1308603 | 11:35 | 11 2 | 24.78 | PCS | 30.00 | 743.40 |
| | | 12 | | | | |
| | | | 2103.17 | | | 7895.10 |
| | | | | | | 623.71 |
| | | | | | | \$ 8,518.81 |
| | | TOTAL | | | | |

DATE BILLED

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY?
 YES NO

OUT OF CITY?
 YES NO

108.20



LOAD TICKET

ME 77681

41 Rocky Top Road
Yakima, WA 98908

Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock

DELIVERIES

We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for damages resulting from such deliveries.

Name: NRC Environmental
Address: Job# 100771 Post 100771-JB
Jason Blair

Received by

Phone: (Home) 70-5444
Office

Date: 12/31/15 Sold by

P.O. # PCS
Chromium Tanker Roll-over Spill
Hauled by: JWC/JCF/JOS/MSA/RTV/Michael

- A. Cured concrete
- B. Asphaltic materials (does not include roofing)
- C. Brick and masonry
- D. Ceramic materials
- E. Glass
- F. Stainless Steel
- G. Aluminum
- H. Lime
- I. Dirt Rock
- J. Bldg. Demolition

| WEIGHT TICKET # | TIME | TRUCK NO. | QUANTITY | PRODUCT | UNIT PRICE | AMOUNT |
|-------------------|------------------|-----------------|------------------|----------------|---------------|-------------------|
| 130872 | 10:10 | 1509 | 16.54 | PCS | 30 | 496.20 |
| 130873 | 0:29 | 18 | 18.92 | PCS | 30 | 567.60 |
| 130874 | 10:34 | 151 | 17.76 | PCS | 30 | 532.80 |
| 130875 | 10:53 | 113 | 18.10 | PCS | 30 | 559.80 |
| 130880 | 10:54 | 1109 | 18.80 | PCS | 30 | 565.80 |
| 130872 | 10:10 | 1509 | 16.54 | PCS | 30 | 496.20 |
| 130877 | 11:5 | 159 | 18.18 | PCS | 30 | 545.40 |
| 130878 | 11:10 | 155 | 19.70 | PCS | 30 | 591.00 |
| 130879 | 11:20 | 112 | 19.61 | PCS | 30 | 588.30 |
| 130887 | 11:20 | 112 | 19.30 | PCS | 30 | 579.00 |
| 130888 | 11:52 | 153 | 21.24 | PCS | 30 | 637.20 |
| | | 12 | 189.78 | | | 5,618.40 |
| TOTAL | | | | | | |

DATE BILLED

[Empty box for date billed]

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY?

YES NO
OUT OF CITY?
 YES NO

870.08



LOAD TICKET

NO 77686

41 Rocky Top Road
Yakima, WA 98908

Bus. (509) 965-3621 • Fax (509) 965-8656

www.andersonrock.com

Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock

DELIVERIES
We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for damages resulting from such deliveries.

Name: NRC-Environmental
Address: Box #100771 PO#100771-JB

Received by

Phone Home: Jason Blain

Date: 5/16 Sold by

Office: (206) 730-5444

- A. Cured concrete
- B. Asphaltic materials (does not include roofing)
- C. Brick and masonry
- D. Ceramic materials
- E. Glass
- F. Stainless Steel
- G. Aluminum
- H. Lime
- I. Dirt Rock
- J. Bldg. Demolition

P.O. # PCS
Job # Edom Tanker Roll-over Spill
Handled by: JWC/CF/UM/Petra/Michaelo

| WEIGHT TICKET # | TIME | TRUCK NO. | QUANTITY | PRODUCT | UNIT PRICE | AMOUNT |
|-----------------|------|-----------|----------|---------|------------------|----------|
| 130891 | 1:07 | 1 184P | 20.67 | PCS | 30 ⁰⁰ | 620.10 |
| 130892 | 1:12 | 2 509 | 25.35 | PCS | 30 ⁰⁰ | 760.50 |
| 130894 | 1:30 | 3 54P | 24.18 | PCS | 30 ⁰⁰ | 725.40 |
| 130895 | 2:00 | 4 20M | 20.46 | PCS | 30 | 613.80 |
| 130897 | 2:14 | 5 CF2 | 18.18 | PCS | 30 | 545.40 |
| 130898 | 2:41 | 6 69 | 20.72 | PCS | 30 | 621.60 |
| | | 7 | 129.50 | | | |
| | | 8 | | | | 3,886.80 |
| | | 9 | | | | 307.00 |
| | | 10 | | | | |
| | | 11 | | | | 4,193.80 |
| | | 12 | | | | |
| | | TOTAL | | | | |

DATE BILLED

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY? YES NO
OUT OF CITY? YES NO



LOAD TICKET

1027.04

NO 77700

41 Rocky Top Road
Yakima, WA 98908

Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock

DELIVERIES
We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for damages resulting from such deliveries.

Name NRC Environmental
Address Box #100771 Post Office TB

Received by _____

Phone Home Jason Blair
Office (206) 730-5444

Date 11/6/16 Sold by _____

- A. Cured concrete
- B. Asphaltic materials (does not include roofing)
- C. Brick and masonry
- D. Ceramic materials
- E. Glass
- F. Stainless Steel
- G. Aluminum
- H. Lime
- I. Dirt Rock
- J. Bldg. Demolition

P.O. # PCS
Job # 8 Plum Tanker Roll-over Spill
Shaded by Inc/OT/Retna/Amick/L

| WEIGHT TICKET # | TIME | TRUCK NO. | QUANTITY | PRODUCT | UNIT PRICE | AMOUNT |
|-----------------|-------|-----------|----------|-----------|------------|---------|
| 130901 | 10:09 | 1 509 | 26.65 | PCS | 30.00 | 799.50 |
| 130900 | 10:12 | 2 509 | 22.58 | PCS | 30.00 | 678.00 |
| 130902 | 10:35 | 3 1044 | 21.54 | PCS | 30.00 | 646.80 |
| 130903 | 10:37 | 4 5140 | 22.45 | PCS | 30.00 | 673.50 |
| 130904 | 10:44 | 5 1800 | 21.27 | PCS | 30.00 | 638.10 |
| 130905 | 10:50 | 6 9 | 21.58 | PCS | 30.00 | 647.40 |
| 130906 | 11:03 | 7 300 | 22.87 | PCS | 30.00 | 686.10 |
| 130907 | 11:24 | 8 2 | 20.01 | PCS | 30.00 | 600.30 |
| 130908 | 11:29 | 9 8 | 21.42 | PCS | 30.00 | 642.60 |
| | | 10 | 200.35 | TEN Total | | 6010.50 |
| | | 11 | | | | |
| | | 12 | | | | |
| | | TOTAL | | | | |

DATE BILLED
[]

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY?
 YES NO
OUT OF CITY?
 YES NO

Taxes = 1227.99



LOAD TICKET

NO 77706

41 Rocky Top Road
Yakima, WA 98908

Bus. (509) 965-3621 • Fax (509) 965-8656

www.andersonrock.com

Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock

DELIVERIES

We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for damages resulting from such deliveries.

Name NRC Environmental
Address Job # 100771 PO # 100771TB

Received by

Phone Home Jason Blair
Office 1-206-730-5444

Date 1/6/16 Sold by

P.O. # PCS
Job # Cle-Flu Tanker Roll-over Spill
Hauled by Strat/WC

- A. Cured concrete
- B. Asphaltic materials (does not include roofing)
- C. Brick and masonry
- D. Ceramic materials
- E. Glass
- F. Stainless Steel
- G. Aluminum
- H. Lime
- I. Dirt Rock
- J. Bldg. Demolition

| WEIGHT TICKET # | TIME | TRUCK NO. | QUANTITY | PRODUCT | UNIT PRICE | AMOUNT |
|-----------------|------|-----------|----------|---------|------------|----------|
| 130909 | 2:00 | 155 | 26.51 | PCS | 30.00 | 795.30 |
| 130910 | 2:27 | 2109 | 19.20 | PCS | 30.00 | 576.00 |
| 130911 | 2:32 | 3151 | 20.53 | PCS | 30.00 | 615.90 |
| 130912 | 2:33 | 4509 | 23.99 | PCS | 30.00 | 719.70 |
| 130913 | 2:44 | 518 | 22.43 | PCS | 30.00 | 672.90 |
| 130914 | 2:48 | 69 | 24.68 | PCS | 30.00 | 740.40 |
| 130915 | 2:58 | 753 | 24.35 | PCS | 30.00 | 730.50 |
| 130916 | 3:19 | 812 | 22.93 | PCS | 30.00 | 687.90 |
| 130917 | 3:21 | 918 | 24.74 | PCS | 30.00 | 742.20 |
| 130918 | 3:36 | 1015 | 29.85 | PCS | 30.00 | 895.50 |
| | | 11 | | | | |
| | | 12 | 239.21 | | | 7176.30 |
| | | | | | | 506.93 |
| | | TOTAL | | | | 7,743.23 |

DATE BILLED

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY?

YES NO
OUT OF CITY?
 YES NO

2168-100



LOAD TICKET

NO 77720

41 Rocky Top Road
Yakima, WA 98908

Bus. (509) 965-3621 • Fax (509) 965-8656

www.andersonrock.com

Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock

DELIVERIES

We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for damages resulting from such deliveries.

Name: NRC Environmental
Address: PO#100771 PO#100771 JB

Received by

Phone: Home: Josen Blair
Office: (509) 730-7444

Date: 1/8/10 Sold by

- A. Cured concrete
- B. Asphaltic materials (does not include roofing)
- C. Brick and masonry
- D. Ceramic materials
- E. Glass
- F. Stainless Steel
- G. Aluminum
- H. Lime
- I. Dirt Rock
- J. Bldg. Demolition

P.O. # PCS
Job # Le Etium Tanker Rollover Spill
Hauled by

| WEIGHT TICKET # | TIME | TRUCK NO. | QUANTITY | PRODUCT | UNIT PRICE | AMOUNT |
|-----------------|------|-----------|----------|---------|------------|---------|
| 1309104 | 1:45 | 1 35 | 26.12 | PCS | 30 | -783.60 |
| 1309109 | 1:50 | 2 509 | 27.76 | PCS | 30 | -832.80 |
| 1309122 | 2:14 | 3 65 | 26.60 | PCS | 30 | -781.80 |
| 1309181 | 2:22 | 4 819 | 24.79 | PCS | 30 | -743.70 |
| 1309182 | 2:45 | 5 69 | 27.69 | PCS | 30 | -830.70 |
| 1309183 | 2:55 | 6 614 | 24.03 | PCS | 30 | -720.90 |
| 1309184 | 3:01 | 7 63 | 24.00 | PCS 738 | 30 | -720.00 |
| 1309185 | 3:57 | 8 10 | 25.03 | PCS | 30 | -750.90 |
| 1309180 | 4:12 | 9 118 | 27.81 | PCS | 30 | -834.30 |
| 1309187 | 4:46 | 10 112 | 28.43 | PCS | 30 | -852.90 |
| | | 11 | | | | |
| | | 12 | 262.92 | | | 7887.60 |
| | | | | | | 623.12 |
| | | TOTAL | | | | 5510.72 |

DATE BILLED

[Empty box for date billed]

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY?

- YES NO
- OUT OF CITY?
- YES NO

2,431.58



LOAD TICKET

№ 77721

41 Rocky Top Road
Yakima, WA 98908

Bus. (509) 965-3621 • Fax (509) 965-8656

www.andersonrock.com

Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock

DELIVERIES
We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for damages resulting from such deliveries.

Name NRC Environmental
Address Box #160771 PO#105771-JB

Received by _____

Phone Home Jasen Blum
Office (206) 730-9444

Date 1/2/16 Sold by _____

- A. Cured concrete
- B. Asphaltic materials (does not include roofing)
- C. Brick and masonry
- D. Ceramic materials
- E. Glass
- F. Stainless Steel
- G. Aluminum
- H. Lime
- I. Dirt Rock
- J. Bldg. Demolition

P.O. # PCS
Job Cl Elum Tanker Roll Over Spill
Hauled by _____

| WEIGHT TICKET # | TIME | TRUCK NO. | QUANTITY | PRODUCT | UNIT PRICE | AMOUNT |
|-----------------|-------|-----------|-----------|---------|------------------|---------|
| 130993 | 9:51 | 15549 | 26.67 | PCS | 30 ⁰⁰ | 800.10 |
| 130994 | 10:08 | 25149 | 25.82 | PCS | 30 ⁰⁰ | 774.60 |
| 130995 | 10:23 | 31109 | 22.83 | PCS | 30 ⁰⁰ | 684.90 |
| 130996 | 10:27 | 49 | 23.63 | PCS | 30 ⁰⁰ | 708.90 |
| 130997 | 10:52 | 51049 | 22.37 | PCS | 30 ⁰⁰ | 671.10 |
| 130998 | 11:14 | 6CF5 | 21.99 | PCS | 30 ⁰⁰ | 659.70 |
| 130999 | 11:24 | 7CF8 | 21.18 | PCS | 30 ⁰⁰ | 635.40 |
| 131000 | 11:39 | 8F2 | 21.31 | PCS | 30 ⁰⁰ | 639.30 |
| 131001 | 11:42 | 9349 | 25.36 | PCS | 30 ⁰⁰ | 760.80 |
| | | 10 | 21.16 TON | Tax | | 6334.80 |
| | | 11 | | Tax | | 502.45 |
| | | 12 | | TOTAL | | 6835.25 |
| | | TOTAL | | | | |

DATE BILLED

Tax

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY?

YES NO

OUT OF CITY?

YES NO

WEIGH TICKET

№ 131001

HAULED BY Carlson
TRUCK NO. 340

11:42 AM 1/12/2016

89340 lb G



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

DELIVER TO:

NRC

11:52 AM 1/12/2016

50,720

25.36

38620 lb G TON

WEIGHED BY L
DRIVER ON OFF

PRODUCT: PCS

SIGNATURE _____

CERTIFIED PUBLIC SCALE

WEIGH TICKET

№ 131000

HAULED BY Central Freight
TRUCK NO. 2

11:39 AM 1/12/2016

79580 lb G



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

DELIVER TO:

NRC

11:48 AM 1/12/2016

42,620

21.31

36960 lb G TON

WEIGHED BY L
DRIVER ON OFF

PRODUCT: PCS

SIGNATURE _____

CERTIFIED PUBLIC SCALE

WEIGH TICKET

130999

HAULED BY Continental Freight

TRUCK NO. 8

11:24 AM 1/12/2016

78500 lb G



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

DELIVER TO:

NRC

11:41 AM 1/12/2016

42,360
21.18

36140 lb G TON

PRODUCT:

PCS

WEIGHED BY L

DRIVER ON OFF

SIGNATURE _____

CERTIFIED PUBLIC SCALE

WEIGH TICKET

130998

HAULED BY Continental Freight

TRUCK NO. 5

11:14 AM 1/12/2016

83120 lb G

11:23 AM 1/12/2016

413980
21.99

39140 lb G TON



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

DELIVER TO:

NRC

PRODUCT:

PCS

WEIGHED BY L

DRIVER ON OFF

SIGNATURE _____

CERTIFIED PUBLIC SCALE

WEIGH TICKET

NO 130997

HAULED BY King
TRUCK NO. 104r

10:52 AM 1/12/2016



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Road • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

DELIVER TO:

NRC

88400 lb @

11:04 AM 1/12/2016

44,740
22.37

43660 lb @ TON

PRODUCT:

PCS

WEIGHED BY L
DRIVER ON OFF

SIGNATURE _____

CERTIFIED PUBLIC SCALE

WEIGH TICKET

NO 130998

HAULED BY Gubser
TRUCK NO. 9

10:27 AM 1/12/2016



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Road • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

DELIVER TO:

NRC

84380 lb @

10:36 AM 1/12/2016

47,260
23.63

37120 lb @

PRODUCT:

PCS

WEIGHED BY u
DRIVER ON OFF

SIGNATURE _____

CERTIFIED PUBLIC SCALE

WEIGH TICKET

NO 130995

HAULED BY P. R. W.
TRUCK NO. 0109

10:23 AM 1/12/2016

82080 lb G



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

DELIVER TO: NRC

10:34 AM 1/12/2016

45,660

36420 lb G

22.83

PRODUCT: PCS

WEIGHED BY L
DRIVER ON OFF

SIGNATURE _____

CERTIFIED PUBLIC SCALE

WEIGH TICKET

NO 130994

HAULED BY P. R. W.
TRUCK NO. P51 NRC

10:08 AM 1/12/2016

87840 lb G



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

DELIVER TO: NRC

10:17 AM 1/12/2016

51,640

25.82

36200 lb G TOR

PRODUCT: PCS

WEIGHED BY L
DRIVER ON OFF

SIGNATURE _____

CERTIFIED PUBLIC SCALE

2642-74



LOAD TICKET

No 77740

41 Rocky Top Road
Yakima, WA 98908

Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock

DELIVERIES
We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for damages resulting from such deliveries.

Name NRC Environmental
Address # 100771 PO # 100771-JB

Received by

Phone Home Jason Blair

Date 1/12/16 Sold by

Office 1-206-730-5444

- A. Cured concrete
- B. Asphaltic materials (does not include roofing)
- C. Brick and masonry
- D. Ceramic materials
- E. Glass
- F. Stainless Steel
- G. Aluminum
- H. Lime
- I. Dirt Rock
- J. Bldg. Demolition

P.O. # PCS

Job # Cle Elum Tanker Rollover-spill

Hauled by

| WEIGHT TICKET # | TIME | TRUCK NO. | QUANTITY | PRODUCT | UNIT PRICE | AMOUNT |
|-----------------|------|-----------|----------|---------|------------|----------|
| 131004 | 1:22 | 1 5547 | 27.58 | PCS | 30.00 | 827.40 |
| 131005 | 1:28 | 2 5147 | 25.04 | PCS | 30.00 | 751.20 |
| 131006 | 1:40 | 3 9 | 22.80 | PCS | 30.00 | 684.00 |
| 131007 | 1:43 | 4 P109 | 26.05 | PCS | 781.50 | 20355.00 |
| 131008 | 2:33 | 5 5 | 25.25 | PCS | 30.00 | 757.50 |
| 131009 | 2:52 | 6 1047 | 27.05 | PCS | 30.00 | 811.50 |
| 131010 | 3:07 | 7 8 | 26.30 | PCS | 30.00 | 789.00 |
| 131011 | 3:21 | 8 2 | 27.54 | PCS | 30.00 | 826.20 |
| 131012 | 5:29 | 9 3 | 27.30 | PCS | 30.00 | 819.00 |
| | | 10 | | | | |
| | | 11 | 234.91 | | | 7047.30 |
| | | 12 | | | | 556.74 |
| | | | | | | 7004.04 |
| | | | TOTAL | | | |

DATE BILLED

[Empty box for date billed]

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY? YES NO
 OUT OF CITY? YES NO

WEIGH TICKET

NO 131009

HAULED BY King
TRUCK NO. 103p

2:52 PM 1/12/2016

97520 lb G

3:42 PM 1/12/2016

54,100
27.05
43420 lb G TON

WEIGHED BY L
DRIVER ON OFF

PRODUCT: PCS

SIGNATURE _____

DELIVER TO: NRC

CERTIFIED PUBLIC SCALE



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

WEIGH TICKET

NO 131012

HAULED BY _____
TRUCK NO. G3

3:29 PM 1/12/2016

93300 lb G

3:38 PM 1/12/2016

54,600
27.30
38700 lb G TON

WEIGHED BY [Signature]
DRIVER ON OFF

PRODUCT: PCS

SIGNATURE _____

DELIVER TO: NRC

CERTIFIED PUBLIC SCALE



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

WEIGH TICKET

№ 131011

HAULED BY Central Freight

TRUCK NO. 2

3:21 PM 1/12/2016

91840 lb G



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

DELIVER TO: NRC

3:30 PM 1/12/2016

55080
27.54

36760 lb G

PRODUCT: PCS

WEIGHED BY L

DRIVER ON OFF

SIGNATURE _____

CERTIFIED PUBLIC SCALE

WEIGH TICKET

№ 131010

HAULED BY Central Freight

TRUCK NO. 8

3:01 PM 1/12/2016

88480 lb G



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

DELIVER TO: NRC

3:15 PM 1/12/2016

52,600
26.30

35880 lb G TON

PRODUCT: PCS

WEIGHED BY L

DRIVER ON OFF

SIGNATURE _____

CERTIFIED PUBLIC SCALE

WEIGH TICKET

№ 131008

HAULED BY Central Freight
TRUCK NO. 5

2:33 PM 1/12/2016



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Road • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

89240 lb G

DELIVER TO:

NRC

2:46 PM 1/12/2016

50,500
25.25

38740 lb G

PRODUCT: PCS

WEIGHED BY L
DRIVER ON OFF

SIGNATURE _____

CERTIFIED PUBLIC SCALE

WEIGH TICKET

№ 131007

HAULED BY Patco
TRUCK NO. P-109

1:43 PM 1/12/2016



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Road • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

88360 lb G

DELIVER TO:

NRC

2:01 PM 1/12/2016

52,100
26.05

36260 lb G

PRODUCT: PCS

WEIGHED BY L
DRIVER ON OFF

SIGNATURE _____

CERTIFIED PUBLIC SCALE

WEIGH TICKET

NO 131006

HAULED BY G. Wilson

TRUCK NO. 9

1:40 PM 1/12/2016

82800 lb G

1:50 PM 1/12/2016

45,600
22.80
37200 lb G TON

WEIGHED BY L

DRIVER ON OFF

DELIVER TO: NRC

PRODUCT: PCS

SIGNATURE _____

CERTIFIED PUBLIC SCALE



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

WEIGH TICKET

NO 131005

HAULED BY Polka

TRUCK NO. 514P

1:28 PM 1/12/2016

86100 lb G

1:38 PM 1/12/2016

50,080
25.04
36020 lb G TON

WEIGHED BY L

DRIVER ON OFF

DELIVER TO: NRC

PRODUCT: PCS

SIGNATURE _____

CERTIFIED PUBLIC SCALE



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
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www.andersonrock.com

WEIGH TICKET

131004

HAULED BY JR
TRUCK NO. 55



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Road • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

1:22 PM 1/12/2016

94640 lb G

DELIVER TO:

NRC

1:34 PM 1/12/2016

55,160
27.58
TON

39480 lb G

PRODUCT:

PCS

139480 MIN / 12/2016

WEIGHED BY _____

SIGNATURE _____

DRIVER ON OFF

CERTIFIED PUBLIC SCALE

2877.65



LOAD TICKET

No 77742

41 Rocky Top Road
Yakima, WA 98908

Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock

DELIVERIES
We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for damages resulting from such deliveries.

Name: NRC Environmental
Address: Job # 100771 PO # 100771-JB

Received by

Phone: Home Jason Blair
(206) 730-5444

Date: 1/14/16 Sold by

- A. Cured concrete
- B. Asphaltic materials (does not include roofing)
- C. Brick and masonry
- D. Ceramic materials
- E. Glass
- F. Stainless Steel
- G. Aluminum
- H. Lime
- I. Dirt Rock
- J. Bldg. Demolition

P.O. # PCS
Job # Elum Tanker Roll-over
Hauled by

| WEIGHT TICKET # | TIME | TRUCK NO. | QUANTITY | PRODUCT | UNIT PRICE | AMOUNT |
|-----------------|-------|-----------|----------|---------|------------|------------|
| 131017 | 10:32 | 1 CF-2 | 24.39 | PCS | 30.- | 731.70 |
| 131018 | 10:34 | 2 P51 | 27.39 | PCS | 30.- | 821.70 |
| 131020 | 1:57 | 3 P51 | 25.61 | PCS | 30.- | 768.30 |
| 131021 | 2:08 | 4 CF2 | 27.29 | PCS | 30.- | 818.70 |
| | | 5 | | | | |
| | | 6 | 104.68 | | | 3140.40 |
| | | 7 | | | | 248.09 |
| | | 8 | | | | |
| | | 9 | | | | |
| | | 10 | | | | |
| | | 11 | | | | |
| | | 12 | | | | |
| | | TOTAL | | | | \$ 3388.49 |

DATE BILLED

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY?
 YES NO
OUT OF CITY?
 YES NO

WEIGH TICKET

NO 131021

HAULED BY CF2

TRUCK NO. _____

2:08 PM 1/14/2016

92100 lb G

DELIVER TO:

NRC

2:17 PM 1/14/2016

37520 lb G

PRODUCT:

PCS

WEIGHED BY [Signature]

DRIVER ON OFF

SIGNATURE _____

CERTIFIED PUBLIC SCALE

WEIGH TICKET

NO 131020

HAULED BY P51

TRUCK NO. _____

1:57 PM 1/14/2016

87300 lb G

DELIVER TO:

NRC

2:11 PM 1/14/2016

36160 lb G

PRODUCT:

PCS

WEIGHED BY [Signature]

DRIVER ON OFF

SIGNATURE _____

CERTIFIED PUBLIC SCALE



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

51,580
27.29

51,220
25.61

WEIGH TICKET

NO 131018

HAULED BY Patra

TRUCK NO. PS120

10:34 AM 1/14/2016

91030 lb G

10:48 AM 1/14/2016

54,780

36300 lb G

27.39
TON



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

DELIVER TO:

NRE

WEIGHED BY L

DRIVER ON OFF

PRODUCT: PCS

SIGNATURE _____

CERTIFIED PUBLIC SCALE

WEIGH TICKET

NO 131017

HAULED BY Central Freight

TRUCK NO. 2

10:32 AM 1/14/2016

85720 lb G

10:42 AM 1/14/2016

48,780

36940 lb G

24.39



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

DELIVER TO:

NRE

WEIGHED BY L

DRIVER ON OFF

PRODUCT: PCS

SIGNATURE _____

CERTIFIED PUBLIC SCALE

2982.33



LOAD TICKET

No 77754

41 Rocky Top Road
Yakima, WA 98908

Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock

DELIVERIES
We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for damages resulting from such deliveries.

Received by _____

Date 1/15/10 Sold by _____

A. Cured concrete
B. Asphaltic materials (does not include roofing)
C. Brick and masonry
D. Ceramic materials
E. Glass
F. Stainless Steel
G. Aluminum
H. Lime
I. Dirt Rock
J. Bldg. Demolition

Name MRC Environmental
Address Job# 105771 PO# 105771-JB
Phone Home Jason Blau
(509) 730-5444
Office
P.O. # CUE Elum Tank Roller
Job # PCS
Hauled by _____

| WEIGHT TICKET # | TIME | TRUCK NO. | QUANTITY | PRODUCT | UNIT PRICE | AMOUNT |
|-----------------|-------|-----------|------------|---------|------------|---------|
| 131033 | 10:10 | 1 P51 | 26.95 | PCS | 30.00 | 808.50 |
| 131035 | 10:25 | 2 9 | 27.42 | PCS | 30.00 | 822.60 |
| 131036 | 10:25 | 3 2 | 28.12 | PCS | 30.00 | 843.60 |
| 131049 | 1:29 | 4 9 | 25.62 | PCS | 30.00 | 768.60 |
| 131050 | 1:31 | 5 P51 | 27.71 | PCS | 30.00 | 831.30 |
| 131054 | 1:56 | 6 2 | 25.11 | PCS | 30.00 | 753.30 |
| | | 7 | | | TOTAL | 4827.90 |
| | | 8 | 160.93 TON | | Tax | 381.40 |
| | | 9 | | | TOTAL | 5209.30 |
| | | 10 | | | | |
| | | 11 | | | | |
| | | 12 | | | | |
| | | TOTAL | | | | |

DATE BILLED

Tax

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY?
 YES NO
OUT OF CITY?
 YES NO

WEIGH TICKET

131054

HAULED BY Central
TRUCK NO. 2

1:56 PM 1/15/2016

87280 lb G

2:04 PM 1/15/2016

50,220

25.11

37060 lb G TON

WEIGHED BY L
DRIVER ON OFF

DELIVER TO:

NRE

PRODUCT: PCS

SIGNATURE _____

CERTIFIED PUBLIC SCALE



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

WEIGH TICKET

131050

HAULED BY _____
TRUCK NO. PSI-412

1:31 PM 1/15/2016

91520 lb G

1:45 PM 1/15/2016

55,420

27.71

36100 lb G TON

WEIGHED BY L
DRIVER ON OFF

DELIVER TO:

NRE

PRODUCT: PCS

SIGNATURE _____

CERTIFIED PUBLIC SCALE



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

WEIGH TICKET

№ 131049

HAULED BY Gibson

TRUCK NO. 9

1:29 PM 1/15/2016

88300 lb G

1:35 PM 1/15/2016

51,240
29.62
37060 lb G ^{TON}

WEIGHED BY L

DRIVER ON OFF

DELIVER TO:

NRC

PRODUCT: PCS

SIGNATURE _____

CERTIFIED PUBLIC SCALE



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

WEIGH TICKET

№ 131036

HAULED BY Central

TRUCK NO. 2-~~104~~

10:25 AM 1/15/2016

93360 lb G

10:35 AM 1/15/2016

56,240
28.12
37120 lb G ^{TON}

WEIGHED BY L

DRIVER ON OFF

DELIVER TO:

NRC

PRODUCT: PCS

SIGNATURE _____

CERTIFIED PUBLIC SCALE



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

WEIGH TICKET

№ 131035

HAULED BY Tabson

TRUCK NO. 9-Betty

10:25 AM 1/15/2016

92060 lb G

10:34 AM 1/15/2016

54,840
27.42
37220 lb G TON

WEIGHED BY L

DRIVER ON OFF

DELIVER TO:

NRC

PRODUCT: PCS

SIGNATURE _____

CERTIFIED PUBLIC SCALE



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

WEIGH TICKET

№ 131033

HAULED BY Pelan

TRUCK NO. PSI

10:10 AM 1/15/2016

90220 lb G

10:26 AM 1/15/2016

53,900
26.95
36320 lb G TON

WEIGHED BY L

DRIVER ON OFF

DELIVER TO:

NRC

PRODUCT: PCS

SIGNATURE _____

CERTIFIED PUBLIC SCALE



PETROLEUM CONTAMINATED SOILS SITE
Shale Rock, Top Soil, Crushed Rock, Fill
41 Rocky Top Raod • Yakima, Washington 98908
Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com



LOAD TICKET

3,143.26
No 77770
41 Rocky Top Road
Yakima, WA 98908

Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock

Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

DELIVERIES

We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for damages resulting from such deliveries.

Name: ARC Environmental
Address: Job# 100711 PO# 100711JB

Received by

Phone: Home Jason Blair
(office) 730-5444

Date: 1/19/10 Sold by

- A. Cured concrete
- B. Asphaltic materials (does not include roofing)
- C. Brick and masonry
- D. Ceramic materials
- E. Glass
- F. Stainless Steel
- G. Aluminum
- H. Lime
- I. Dirt Rock
- J. Bldg. Demolition

P.O. 60 Elm Tanker Rollover
Job # PCS
Hauled by

| WEIGHT TICKET # | TIME | TRUCK NO. | QUANTITY | PRODUCT | UNIT PRICE | AMOUNT |
|-----------------|------|-----------|----------|---------|------------|---------|
| 131098 | 3:52 | 1551A | 28.06 | PCS | 30 | 841.80 |
| 131099 | 7:34 | 104A | 28.31 | PCS | 30 | 849.30 |
| | | 3 | 56.37 | Tot | | 1691.10 |
| | | 4 | | TAX | | 133.60 |
| | | 5 | | Total | | 1824.70 |
| | | 6 | | | | |
| | | 7 | | | | |
| | | 8 | | | | |
| | | 9 | | | | |
| | | 10 | | | | |
| | | 11 | | | | |
| | | 12 | | | | |
| | | TOTAL | | | | |

DATE BILLED

TAX

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY?
 YES NO
OUT OF CITY?
 YES NO

5199.63



LOAD TICKET

NO 77785

41 Rocky Top Road
Yakima, WA 98908

Bus. (509) 965-3621 • Fax (509) 965-8656
www.andersonrock.com

Petroleum Contaminated Soils Site - Topsoil - Shale - Crushed Rock

DELIVERIES

We make deliveries inside the curb line at customer's risk only and accept no responsibility whatsoever for damages resulting from such deliveries.

Name NRC Environmental

Address 100771 P.O.# 100771 JB

Received by

Phone Home Jason Blair

Date 1/20/16 Sold by

Office 206-730-5444

- A. Cured concrete
- B. Asphaltic materials (does not include roofing)
- C. Brick and masonry
- D. Ceramic materials
- E. Glass
- F. Stainless Steel
- G. Aluminum
- H. Lime
- I. Dirt Rock
- J. Bldg. Demolition

P.O. # Cle Elum Water Refiner

Job # PCS

Hauled by

| WEIGHT TICKET # | TIME | TRUCK NO. | QUANTITY | PRODUCT | UNIT PRICE | AMOUNT |
|-----------------|-------|-----------|------------|---------|------------------|---------|
| 131100 | 7:30 | 1 3 | 25.24 | PCS | 30 ⁰⁰ | 757.20 |
| 131101 | 8:05 | 2 514P | 24.70 | PCS | 30 ⁰⁰ | 741.00 |
| 131102 | 10:15 | 3 553P | 27.27 | PCS | 30 ⁰⁰ | 818.10 |
| 131100 | 11:20 | 4 34P | 24.75 | PCS | 30.00 | 742.50 |
| 131110 | 7:44 | 5 9 | 25.75 | PCS | 30 ⁰⁰ | 772.50 |
| 131112 | 1:44 | 6 514P | 25.52 | PCS | 30 ⁰⁰ | 765.60 |
| 131114 | 1:51 | 7 554P | 27.88 | PCS | 30 ⁰⁰ | 836.40 |
| 131117 | 3:07 | 8 3 | 26.83 | PCS | 30.00 | 804.90 |
| 131116 | 2:33 | 9 102P | 25.88 | PCS | 30 ⁰⁰ | 776.40 |
| | | 10 | | TOTAL | | 7614.60 |
| | | 11 | 233.82 TON | TAX | | 554.15 |
| | | 12 | | TOTAL | | 7568.75 |
| | | TOTAL | | | | |

DATE BILLED

Tax

CUSTOMER AGREES TO PAY (a) A LATE CHARGE OF 1.5% PER MONTH IF ACCOUNT IS NOT PAID WITHIN 10 DAYS OF INVOICE, AND (b) ATTORNEY'S FEE INCURRED IN COLLECTION.

OUT OF COUNTY?

YES NO
OUT OF CITY?
 YES NO

