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Remedial Investigation, Feasibility Study, and Cleanup Action Plan

Former Meeker Cleaners Site
1301 West Meeker Street
Kent, Washington

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ABBREVIATIONS AND ACRONYMS

Abbreviation/ Acronym	Definition
bgs	Below ground surface
CAP	Cleanup Action Plan
CAR	Cleanup Action Report
COC	Constituent of concern
COPC	Constituent of potential concern
CSM	Conceptual site model
CUL	Cleanup level
cVOCs	Chlorinated volatile organic compounds
DCE	Dichloroethene
DRO	Diesel-range organics
Ecology	Washington State Department of Ecology
EPA	United States Environmental Protection Agency
EPI	Environmental Partners, Inc.
ESN	ESN Services Northwest
FS	Feasibility Study
GRO	Gasoline-range organics
IRA	Interim remedial action
MCL	Washington State Maximum Contaminant Level
µg/L	Micrograms per liter
mg/kg	Milligrams per kilogram
Migizi	Migizi Group Inc.
MTCA	Model Toxics Control Act
NFA	No Further Action
ORO	Oil-range organics
PCE	Tetrachloroethene
PCS	Petroleum-contaminated soil
RCW	Revised Code of Washington
RI	Remedial investigation
RI/FS/CAP	Remedial Investigation, Feasibility Study, and Cleanup Action Plan
SCS	SCS Engineers
SVOCs	Semi-volatile organic compounds
TCE	Trichloroethene
TEE	Terrestrial Ecological Evaluation
VCP	Voluntary Cleanup Program
VOCs	Volatile organic compounds
WAC	Washington Administrative Code

1.0 INTRODUCTION

Environmental Partners, Inc. (EPI) is pleased to submit this *Remedial Investigation, Feasibility Study, and Cleanup Action Plan* (RI/FS/CAP) for the Former Meeker Cleaners Site located at 1301 West Meeker Street, Kent, Washington (subject property). The general location of the subject property is indicated on Figure 1.

This RI/FS/CAP has been prepared in accordance with the Washington Model Toxics Control Act (Chapter 70.105D RCW) and its implementing regulations (Chapter 173-340 WAC), collectively referred to as "MTCA." For the purpose of this document, and as defined in MTCA, the "Site" shall mean all areas where contaminants released from the former dry-cleaning facility have come to be located.

Dry-cleaning compounds (i.e. tetrachloroethene, also known as perchloroethylene [PCE], and related breakdown products) were identified in Site soils and groundwater following confirmed releases from the former dry cleaning operations located on the subject property. The majority of the dry-cleaning compounds were removed following a remedial excavation performed in 2002, with residual amounts remaining in soil at the bottom of the excavation area. In 2014, petroleum hydrocarbons were discovered at the Site during a subsequent groundwater sampling event. The petroleum hydrocarbons detected in groundwater during that event were diesel-range organics (DRO) and oil-range organics (ORO). A subsurface investigation performed in 2015 confirmed the presence of DRO and ORO impacts in soil and groundwater along with residual amounts of PCE in soil and related breakdown products in groundwater. The source of the petroleum hydrocarbons detected at the Site in 2014 and 2015 is unknown. The residual contaminants were removed during an interim remedial action performed in February 2017. As a result of the interim action, all Site soil is in compliance with MTCA cleanup standards.

The Site is listed in the Washington State Department of Ecology (Ecology) facility/site database as Facility/Site ID No. 87719977. Concurrent with environmental investigations of the property in 2002, the Site was enrolled in Ecology's Voluntary Cleanup Program (VCP) and assigned VCP Site No. NW0879. The Site was terminated from the VCP in 2006.

This RI/FS/CAP summarizes the results of environmental investigations and actions conducted at the subject property, evaluates cleanup alternatives for the Site, selects a cleanup action that meets the requirements of MTCA and is protective of human health and the environment, and presents a plan for the selected cleanup action. The selected cleanup action will be implemented as an independent remedial action in accordance with the requirements of MTCA.

1.1 Report Organization

The remaining portion of this RI/FS/CAP is organized as follows:

- **Section 2.0** presents a description of the subject property and current and historical uses of the subject property.
- **Section 3.0** presents the remedial investigation (RI) for the Site.

- **Section 4.0** presents the Feasibility Study (FS) for the Site.
- **Section 5.0** presents the Cleanup Action Plan (CAP) for the Site.
- **Section 6.0** presents EPI's standard limitations.
- **Section 7.0** presents the list of references and source materials used in preparing this RI/FS/CAP.

2.0 DESCRIPTION AND USE OF SUBJECT PROPERTY

2.1 Description of Subject Property

The subject property is located along the central southern boundary of the Meeker Square shopping center, within a commercially zoned area of Kent, Washington. West Meeker Street runs adjacent to the subject property to the south. The Meeker Square shopping center includes a departmental store (Big Lots), a pharmacy (Rite Aid), dry cleaners (Meeker Cleaners), restaurants (Ichi Teriyaki and Jimmy John's), and the Washington Department of Social Health and Welfare (DSHS), and is surrounded by a commercial parking lot. The Rite Aid Pharmacy and associated parking is located adjacent to the subject property to the east. A depiction of the subject property is provided on Figure 2.

The subject property comprises approximately 0.18 acres on the south central portion of King County Parcel No. 5436200524 and is located at an approximate elevation of 40 feet above mean sea level. The ground surface is relatively flat with a slight topographic gradient to the south-southeast towards the Green River.

2.2 Historical Use of Subject Property

EPI's understanding of historical uses of the subject property is based on information presented in a soil remediation report prepared by SCS Engineers, dated July 2002 (SCS 2002). According to the SCS report, the former Meeker Cleaners dry cleaning operation occupied the subject property beginning in 1991 when construction of a two-tenant commercial building was completed. The former Meeker Cleaners was historically located at 1317 West Meeker Street, Suite H-1, in Kent, Washington. Historical site features associated with the former cleaners are shown on Figure 3.

Dry cleaning operations were conducted on the subject property from 1991 through the end of 1999. In 2000, dry cleaning operations stopped, the building was demolished, and the business moved to 1313 West Meeker Street, also located on the Meeker Square property. Meeker Cleaners now operates as an active "drop shop" with no dry cleaning operations taking place on-Site.

Historical tax records indicate that the Meeker Square shopping center was constructed in 1966 with an addition constructed in 1983. The portion of the property where the former Meeker Cleaners was located has been used for parking for the Meeker Square shopping center since approximately 2000.

3.0 REMEDIAL INVESTIGATION

This section describes the results of the RI for the subject property. Multiple environmental investigations have been conducted at the subject property since 1996. Soil removal actions were also performed at the subject property in 2002 and 2017. The investigations have assessed the condition of soil and groundwater under and adjacent to the subject property and have characterized the sources, nature, and extent of hazardous substances. The results of these investigations together constitute the RI for the subject property.

3.1 Constituents of Potential Concern

Constituents of potential concern (COPCs) evaluated in soil and groundwater during the RI were selected based on known historical uses of the subject property and on other compounds that were encountered during more recent investigations. The COPCs evaluated in soil and groundwater at the subject property include:

- PCE;
- Trichloroethene (TCE);
- Cis-1,2-dichloroethene (cis-1,2-DCE);
- Trans-1,2-dichloroethene (trans-1,2-DCE);
- Vinyl chloride;
- DRO; and
- ORO.

3.2 Affected Media

Based on geological and hydrogeological conditions and current and future land uses at the subject property, the media of potential concern evaluated during the RI are soil and groundwater. Indoor air and surface water are not media of concern at the subject property for the following reasons:

- No buildings were present on the subject property during most of the RI activities and are not currently present on the subject property;
- Residual soil and groundwater concentrations remaining after the 2002 and 2017 soil removal actions did not pose a potential threat to indoor air quality;
- No surface water bodies are present on or near the subject property; and
- A pathway of contaminated groundwater migration to surface water does not exist.

3.3 Summary of Previous Environmental Investigations and Actions

This section presents the summary results of previously documented Site investigation and remedial excavation activities that were conducted between 1996 and 2017. Sampling locations from the prior investigations and remedial activities are shown on Figures 4 through 12. Soil and groundwater analytical data from these activities are summarized in Tables 1, 2, and 3, and copies of available analytical laboratory reports are provided in Attachment A.

3.3.1 Multiple Subsurface Investigations – SCS Engineers (1996–2000)

According to the July 2002 SCS report cited above in Section 2.2, SCS conducted four separate subsurface investigations at the subject property between December 1996 and April 2000. The first subsurface investigation (December 1996) was focused on shallow soils at the subject property from one location outside the Former Meeker Cleaners building in the area of the former dumpster (sample location 1), and three locations from inside the building near the former dry-cleaning machine (sample locations 2 and 3) and in the boiler room (sample location 4). The analytical results indicated that PCE was detected at a concentration of 0.098 milligrams per kilogram (mg/kg) near the west end of the former dry-cleaning machine.

In February 2000, additional samples were collected from surface soils on the south side and east side of the building (SS-1 through SS-4) and from beneath the location of the former dry-cleaning machine (B-3 and B-4). The results indicated detectable PCE concentrations ranging from 0.52 mg/kg to 2.80 mg/kg in soil. The highest concentrations of PCE were observed in the shallow soils within a landscaped planter that was located east of the building.

In March and April 2000, soil and/or groundwater samples were collected from 13 locations (DP1 through DP12 and DP15) using direct-push technology. Four piezometers were also installed to evaluate groundwater elevation and flow direction. PCE was detected in 10 of the soil samples at concentrations ranging from 0.068 mg/kg to 1.30 mg/kg, and in four of the groundwater samples at concentrations ranging from 6.6 micrograms per liter (µg/L) to 380 µg/L. TCE was also detected in three of the soil samples at and five of the groundwater samples at concentrations ranging from 0.062 mg/kg to 0.24 mg/kg and 2.2 µg/L to 180 µg/L, respectively.

The dissolved concentrations of PCE were located in close proximity to the highest soil PCE concentrations at the east side of the building, suggesting that PCE soil contamination contributed to the PCE groundwater contamination. PCE was not detected in groundwater samples collected from the south side of the Site, indicating that groundwater contamination was restricted to the subject property.

The soil and groundwater sampling locations are shown on Figure 4. Soil analytical results are summarized in Table 1 and groundwater analytical results are summarized in Table 3.

3.3.2 Remedial Excavation – SCS Engineers (April/May 2002)

In April 2002, SCS conducted a remedial excavation to remove PCE impacted soil from the Former Meeker Cleaners property and to mitigate potential future groundwater impacts. Prior to the remedial excavation, the Former Meeker Cleaners building was demolished and removed. Soil excavation was performed in the area encompassing the eastern portion of the former Meeker Cleaners property and in a smaller, secondary area to the west. The final limits of the two excavation areas are depicted in Figures 5 and 6.

Excavation of the impacted soil was typically advanced to a depth of 6 feet bgs, with slightly greater depths reached along the south edge and in the southeastern area of the excavation where elevated PCE concentrations were present. A total of approximately 1,500 tons of PCE-impacted soil was excavated and transported off-Site for disposal under a contained-in determination obtained from Ecology. Confirmation samples collected from the bottom of the central area of the main excavation indicated that a small amount of chlorinated solvents remained in the saturated soils beneath the floor of the excavation. The confirmation soil data are included in Table 1. All excavation sampling locations are shown on Figure 5 and final confirmation samples are shown on Figure 6.

Additional details and results of the excavation activities are documented in the July 2002 SCS report (SCS 2002).

3.3.3 Groundwater Sampling – Migizi Group (August 2014)

Migizi Group Inc. (Migizi) performed groundwater monitoring on the subject property in August 2014 as part of an assessment of the Meeker Square Shopping Center property. The assessment included monitoring of previously-installed wells located on both the Former Meeker Cleaners property and the adjacent Meeker Former Gas Station property. Information regarding installation of the wells on the subject property was not available for review. However, a site map prepared by SCS, dated May 2003, was included in Migizi's documentation of the well sampling activities and shows the locations of eight wells on the subject property identified as MW1, MW2, MW3, MW4, MW5, MW6, DP2, and DP5. These wells are shown on Figure 7.

The well monitoring activities included locating and surveying existing monitoring wells, measuring groundwater depths, and collecting groundwater samples using low-flow purging techniques. Monitoring wells DP2 and MW4 were found to be in poor condition and Migizi recommended that they be decommissioned. Only wells MW1, MW2, and MW3 were surveyed, inspected, and sampled during the event. The groundwater samples were analyzed for gasoline-range organics (GRO), DRO, ORO, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs).

The analytical results indicated detectable concentrations of DRO, ORO, and vinyl chloride. DRO was detected in MW1 and MW2 at concentrations of 1,350 µg/L and 1,520 µg/L, respectively; ORO was detected in all three of the wells at concentrations ranging from 234 µg/L to 3,170 µg/L; and vinyl chloride was detected in MW2 and MW3 at concentrations of 4.45 µg/L and 0.870 µg/L, respectively. The vinyl chloride concentrations were attributed, at least in part, to the degradation of dry-cleaning product on the

subject property. However, the source of the DRO and ORO detected in the wells is not known. The analytical results are included in Table 3.

Additional details of the groundwater monitoring activities are documented in a memorandum prepared by Migizi, dated September 8, 2014 (Migizi 2014).

3.3.4 Site Investigation – EPI (October/November 2015)

EPI conducted a subsurface investigation at the Meeker Square shopping center in October and November 2015 as part of a pre-purchase due diligence. The investigation activities were performed in area of the subject property, as well as the adjacent Meeker Former Gas Station property and in two areas to the north (current Meeker Cleaners drop-off facility and an auto repair facility).

Soil and groundwater samples were collected from 25 direct-push boring locations (B-11 through B-35) in the vicinity of the Former Meeker Cleaners property. Borings B-19 and B-20 were advanced within the roadway south of the subject property in West Meeker Street. The sampling locations are depicted on Figures 8 and 9. A total of 77 soil samples and 13 groundwater samples were submitted for laboratory analysis. All of the samples were analyzed for DRO and ORO and 10 of the water samples were also analyzed for VOCs.

ORO were detected in 13 soil samples from 10 of the borings (B-13, B-15, B-16, B-17, B-24, B-26, B-28, B-32, B-33 and B-34) at concentrations ranging from 570 mg/kg to 4,800 mg/kg. Relatively low levels of DRO were also detected in 11 of the samples that contained detectable ORO, at concentrations ranging from 85 mg/kg to 490 mg/kg. These samples were collected from depths of approximately 2 to 6 feet bgs. In addition to DRO and ORO, PCE was also detected in the soil samples from B-13 and B-15 at concentrations of 0.072 mg/kg and 0.028 mg/kg, respectively.

Eight of the groundwater samples (B-11, B-12, B-13, B-15, B-16, B-17, B-18, and B-21) contained detectable concentrations of DRO ranging from 91 µg/L to 560 µg/L, of which three samples (B-15, B-16, and B-17) also contained detectable ORO at concentrations ranging from 320 µg/L to 500 µg/L. The groundwater samples from B-13, B-15, and B-17 contained detectable concentrations of one or more PCE daughter products including cis-1,2-DCE (1.8 µg/L to 26 µg/L), trans-1,2-DCE (1.4 µg/L), and vinyl chloride (0.95 µg/L to 21 µg/L). Based on the samples collected from borings located within West Meeker Street, groundwater impacts do not appear to extend beyond the southern property boundary.

Additional details of the investigation are documented in a Technical Memorandum prepared by EPI, dated February 25, 2016 (EPI 2016). The soil analytical results are summarized in Tables 1 and 2, and the groundwater analytical results are summarized in Table 3. Copies of the boring logs from the investigation are presented in Attachment B.

3.3.5 Interim Remedial Action – EPI (February/March 2017)

In February and March 2017, EPI conducted an interim remedial action (IRA) at the Former Meeker Cleaners Site. The IRA consisted of the excavation and removal of ORO- and PCE-impacted soils from the Former Meeker Cleaners property. Prior to excavation activities, EPI requested and received a "contained-in" determination from Ecology for excavated soils containing PCE. Site preparation also included the decommissioning of previously-installed monitoring wells MW3, MW4, MW5, and MW6 to allow for soil removal in the area of those wells.

Soil excavation generally extended down to depths between 5 and 5.5 feet to remove the ORO impacts. A total of 2,169.33 tons of ORO-impacted soil was transported off-Site and disposed as petroleum-contaminated soil (PCS) under a non-hazardous profile. At the bottom of the excavation where residual PCE remained following the 2002 remedial action, and was confirmed by the 2015 investigation, localized excavations were conducted to remove the PCE-impacted soil. A total of 25.23 tons of PCE-impacted soil was removed from the Site and transported for off-Site disposal under the contained-in determination.

Final performance samples from the vertical and lateral limits of the excavation indicated that ORO and PCE concentrations were in compliance with MTCA cleanup standards (see Section 3.9). The excavation performance sampling data are included in Tables 1 and 2 and final confirmation data are presented in Table 4. Remedial excavation sampling locations for ORO are shown on Figure 10 and the final excavation boundary and confirmation sampling locations are shown on Figure 11. The limits of the smaller PCE excavation areas and associated sampling locations are shown on Figure 12. The vertical extent of the 2017 remedial excavation is illustrated on the cross-section on Figure 13.

Additional details of the interim remedial action are provided in the *Interim Remedial Action Report* (IRA report) prepared by EPI and dated September 1, 2017 (EPI IRA 2017). A copy of the IRA report is provided in Attachment C.

3.4 Well Installation and Sampling – EPI (July 2017)

Following the recent excavation, EPI installed three new wells on the subject property to assess current groundwater conditions with respect to petroleum hydrocarbons and chlorinated solvents. Details of the well installation and sampling activities are described below.

3.4.1 Well Installation, Development, and Surveying

On July 11, 2017, EPI directed the installation of three monitoring wells on the Former Meeker Cleaners property within the footprint of the February/March 2017 remedial excavation. EPI subcontracted with ESN Services Northwest (ESN) of Olympia, Washington, for the installation of MW-1, MW-2, and MW-3. MW-1 was installed on the upgradient side of the excavation area to the north, and MW-2 and MW-3 were installed on the downgradient side of the excavation to the south and southwest, respectively. The well locations are shown on Figures 14 and 15.

Each well was installed using direct-push technology drilling equipment provided by ESN. The borehole for each well was advanced to a depth of 15 feet bgs. Soil conditions at each location was characterized by the field geologist and described on a field log. Boring logs for the three wells are provided in Attachment D.

Each well was constructed of 2-inch diameter, Schedule 40 PVC with a 10-foot length of 0.010-inch factory-slotted well screen. Each well was completed with blank PVC riser pipe installed from the top of the screened interval to just below the ground surface. A filter pack of 10/20 silica sand was placed around each screened interval, extending from the bottom of the well screen to approximately 1 foot above the top of the well screen. A surface seal of bentonite chips was placed from the top of the filter pack to within approximately 18 inches of ground surface and the surface was completed with a traffic-rated monument and sealed with concrete. Well construction details are included on the well logs in Attachment D.

Upon completion, each well was developed to remove fine materials from the well casing and filter pack. All of the wells were developed on July 11, 2017. A submersible pump was used to surge and over-pump each well to remove fine sediments. Groundwater was purged until the discharge was observed to be clear. Approximately 30 to 40 gallons of groundwater were purged from each of the monitoring wells during development. The water was placed in labeled 55-gallons drums and temporarily stored on-Site pending disposal.

Following well development, EPI personnel surveyed the elevation of the top of each well casing relative to an arbitrary benchmark with an assigned elevation of 100 feet. Each top-of-casing elevation was measured to within 0.01 foot using a survey level instrument. The horizontal location of each well was also measured to within 0.1 foot, relative to existing Site features. The well elevations are presented in Table 5.

3.4.2 Summary of Groundwater Monitoring

On July 12, 2017, EPI field personnel sampled monitoring wells MW-1, MW-2, and MW-3. Prior to sampling, the depth to water at each well was measured 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 relative elevation of the groundwater table. Depth-to-water measurements ranged from 4.34 to 5.71 feet below the top of the well casing. The depths to water correspond to relative groundwater elevations ranging between 93.55 and 93.94 feet. A summary of the water level measurements and corresponding groundwater elevations is included in Table 5. Groundwater elevations and interpolated contours and flow direction are shown on Figure 14. The elevation data indicate that groundwater generally flows in a south-southwesterly direction at an approximate gradient ranging from 0.002 foot/foot (ft/ft) to 0.02 ft/ft.

Following water depth measurements, groundwater was purged from each of the wells prior to sample collection. Purging was conducted using a peristaltic pump and dedicated tubing at each well until field measurements of pH, conductivity, dissolved oxygen, temperature, and oxidation-reduction potential stabilized to within 10 percent of the prior measurement. Field parameter measurements were recorded on the sampling field sheets. Following purging, groundwater samples were collected in laboratory-supplied containers using the same tubing and peristaltic pump used for purging.

Samples were placed in a cooler with ice and submitted to Friedman & Bruya, Inc. under standard chain-of-custody protocol for laboratory analysis. The samples were analyzed for DRO and ORO by Northwest Method NWTPH-Dx and for chlorinated volatile organic compounds (cVOCs) by EPA Method 8260C. The samples for DRO and ORO analysis were analyzed twice. The initial analysis had indicated detectable DRO and ORO in each of the samples, but that the sample chromatographic pattern did not resemble the fuel standard used for quantitation. EPI discussed those results with Mr. Charles San Juan at Ecology and determined that naturally-occurring organic matter and the likely presence of polar metabolites from biodegraded DRO may have caused interference during the laboratory analysis biasing the DRO high using standard methods. At Ecology's recommendation, EPI directed the laboratory to re-analyze the samples using Method NWTPH-Dx with a silica gel cleanup to remove the potential organic interference. The results of the follow-up analysis with the silica gel cleanup are discussed below.

3.4.3 Groundwater Analytical Results

The laboratory analytical results indicated that the groundwater samples from MW-1 and MW-2 contained detectable concentrations of DRO at 270 µg/L and 91 µg/L, respectively. ORO was also detected in MW-1 at a concentration of 470 µg/L. DRO and ORO were not detected in any of the other samples submitted for analysis. In addition, chlorinated VOCs were not detected at concentrations greater than or equal to the laboratory reporting limits in any of the samples.

The groundwater analytical data for the July 2017 sampling event are summarized in Table 3 and shown on Figure 15. Copies of the analytical laboratory reports are provided in Attachment A.

3.5 Geology and Hydrogeology

3.5.1 Soil

Historical reports indicate that subsurface soil conditions at the subject property generally consist of sands and silts with varying amounts of clay and gravel. Underlying the surface pavement is reportedly 1 to 2 feet of gravelly sand fill material, which is underlain by a layer of silt and sandy silt that varies in thickness from approximately 1 to 2 feet. Beneath the silt layer is approximately 2 to 3 feet of medium-grained clean brown sand. A layer of grey silty clay is present beneath the clean sand at a depth of approximately 5 to 6 feet bgs, with tan clayey silt present in some areas. Groundwater is present within the finer grained soils beneath the clean sand.

During the 2015 investigation, sandy silt and silty sand with varying amounts of gravel was primarily observed on the subject property from approximately 2 feet bgs to depths ranging from 6 to 10 feet bgs. Areas of silty sand, poorly-graded sand with varying amounts of silt, and silt with varying amounts of sand were generally observed beneath the shallower layer and extended to the maximum depth explored of 20 feet bgs. Within the footprint of the 2017 excavation, the Site was backfilled with a thin layer of pea gravel at a depth of 5 to 5.5 feet bgs, followed by approximately 4.5 to 5 feet of sandy fill material. Soils beneath the subject property became saturated at depths ranging from 5 to 8 feet bgs.

Soils beneath West Meeker Street south of the subject property consist of silty sand and sandy silt to a depth of approximately 6 feet bgs, which is underlain by silt and silty sand to depths of approximately 10 to 12 feet bgs. Sandy silt is present beneath the silt and silty sand to the maximum depth explored of 15 feet bgs. The deeper siltier soils became saturated at depths ranging from 10 to 12 feet bgs.

Descriptions of the soil types encountered during the 2015 field investigation and the 2017 well installation activities are presented on the boring logs in Attachments B and D.

3.5.2 Groundwater

During drilling and probing activities conducted in 2002, groundwater was generally encountered at depths from 5 to 6 feet bgs. In November 2015, groundwater was encountered in the direct-push borings on the subject property at depths of 5 to 10 feet bgs. In July 2017, groundwater was measured in the newly-installed monitoring wells at depths ranging from 4.34 to 5.71 feet bgs below the top of the well casing. Groundwater flow direction for the Site is predominately to the south-southwest, as determined by the groundwater monitoring activities performed in July 2017. The gradient is relatively flat across most of the Site and generally ranges between 0.002 and 0.02 feet/foot.

3.5.3 Surface Water

The Green River is located approximately 1,900 feet (0.35 mile) south of the subject property.

3.6 Nature and Extent of Contamination

The primary sources of PCE impacts at the Site are the former dry cleaning operations that took place on the subject property from 1991 through 1999. Historical releases of dry-cleaning solvent have impacted soils and groundwater in the vicinity of the former dry-cleaning machine and store footprint. Those impacts were removed during the remedial actions performed in 2002 and 2017.

The primary sources of DRO and ORO impacts at the Site, first identified in 2014, are unknown but may have been associated with contaminated backfill following the 2002 excavation. The majority of those petroleum impacts were removed during the remedial action performed in 2017.

3.6.1 Soil

The majority of PCE-impacted soil was removed during the 2002 remedial excavation conducted by SCS. Remaining residual PCE impacts to soil were removed from the Site as a result of the 2017 IRA conducted by EPI. Confirmation sampling data from the final excavation limits indicates that PCE and related compounds have attained compliance with applicable cleanup standards (Section 3.9) throughout the Site.

Petroleum-impacted soils were effectively removed and disposed of during the 2017 IRA. Confirmation samples collected from the final limits of the excavation indicate that ORO concentrations are in compliance with applicable cleanup standards (Section 3.9).

Analytical data representing current conditions in Site soil are summarized in Table 4 and corresponding soil sampling locations are shown on Figures 11 and 12. The cross-section on Figure 13 illustrates current conditions at depth.

3.6.2 Groundwater

Results of the July 2017 groundwater sampling event indicated the presence of detectable DRO and/or ORO in two of the wells, at concentrations ranging from 91 µg/L to 470 µg/L, and no detectable concentrations of chlorinated solvents in any of the wells. Based on these recent data, the dissolved concentrations of these COPCs appear to have been reduced to levels that comply with applicable cleanup standards as a result of the 2017 IRA. Additional compliance monitoring will be necessary to confirm the successful remediation of these dissolved impacts. The groundwater data are summarized in Table 3 and shown on Figures 9 and 15.

3.7 Terrestrial Ecological Evaluation

In accordance with WAC 173-340-7490, a terrestrial ecological evaluation (TEE) was performed for the Site to determine if it poses a threat to the terrestrial environment. The Site qualifies for the TEE exclusion set forth at WAC 173-340-7491(1)(c)(i), which states:

> *"For sites with hazardous substances other than those specified in (c)(ii) of this subsection [chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxophene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene], there is less than 1.5 acres of contiguous undeveloped land on or within 500 feet of any area of the Site."*

Therefore, terrestrial ecological exposures do not require further consideration. The completed *TEE Process – Primary Exclusions* form is provided as Attachment E.

3.8 Conceptual Site Model

A conceptual site model (CSM) was developed for the Site based on the data collected at the subject property. The CSM identifies current and potential future exposure pathways for human and ecological receptors. The CSM is presented as Attachment F and is discussed below:

- Prior to EPI's 2017 IRA, the COPCs in Site soil included PCE, TCE, DRO and ORO. Soil has since been remediated and is no longer a medium of concern.

- COPCs in Site groundwater include DRO, ORO, cis-1,2-DCE, trans-1,2-DCE, and vinyl chloride. These compounds were detected in Site groundwater prior to EPI's 2017 IRA and have since shown a significant reduction.

- The source of the impacts to Site soil and groundwater appear to be from two different sources. While the origin of the petroleum impacts is uncertain, the source of residual cVOCs is attributed to previous dry cleaning operations that took place at the Former Meeker Dry Cleaners.

- Currently, only groundwater is a medium of concern for the Site. Potential current or future exposure pathways to impacted groundwater include dermal, ingestion, and inhalation exposure by commercial workers during construction activities. Residential exposures are not reasonable given the current and likely future land use of the property.

- Based on WAC 173-340-7491, the Site qualifies for the exclusion from a TEE as there is not a completed exposure pathway for TEE receptors (i.e., less than 1.5 acres of contiguous undeveloped land).

3.9 Cleanup Standards

Cleanup standards consist of cleanup levels and the point of compliance at which those levels must be met. Cleanup standards are used as the basis for developing remedial action objectives for a cleanup action.

3.9.1 Cleanup Levels

Cleanup levels (CULs) for affected media at the Site were evaluated in accordance with MTCA and take into consideration exposure pathways and receptors based on current and likely future uses of the Site. Because the Site and surrounding area are currently developed for commercial use and will likely remain so into the foreseeable future, and the Site qualifies for a TEE exclusion under WAC 173-340-7491(1)(c)(i), only exposure pathways for human receptors have been taken into consideration. Based on current and future land uses, the potential pathways for exposure to COPCs at the subject property include direct contact (i.e., dermal, ingestion, and inhalation exposures) with soil and groundwater by construction workers.

CULs under MTCA may be established under Method A, Method B, or Method C. Under WAC 173-340-704(1), MTCA Method A CULs are appropriate for use at sites where:

- Few hazardous substances have been detected;

- The site is undergoing a routine cleanup action; and

- Numerical standards are available for applicable COCs and media of concern.

MTCA Method A CULs are generally appropriate for the Site because there are a limited number of COPCs in soil and groundwater, the current cleanup action is considered a routine cleanup action, and there are established MTCA cleanup levels for the COPCs in the affected media of concern. Two of the COPCs identified for groundwater (i.e., cis-1,2-DCE and trans-1,2-DCE) do not have associated MTCA Method A CULs. For these compounds, the most conservative of published MTCA Method B standard

formula values or Washington State Maximum Contaminant Levels (MCLs) were chosen for determining compliance in Site groundwater. For cis-1,2-DCE in groundwater, the MTCA Method B standard formula value for non-carcinogens (developed in WAC 173-340-720) is used. For trans-1,2-DCE in groundwater, the Washington State MCL is used.

The COPCs and their associated CULs for soil at the Site include the following:

- DRO – 2,000 mg/kg;
- ORO – 2,000 mg/kg;
- PCE – 0.05 mg/kg; and
- TCE – 0.03 mg/kg.

The COPCs and their associated CULs for groundwater at the Site include the following:

- DRO – 500 µg/L;
- ORO – 500 µg/L;
- PCE –5 µg/L;
- TCE – 5 µg/L;
- Cis-1,2-DCE – 16 µg/L;
- Trans-1,2-DCE – 100 µg/L; and
- Vinyl chloride – 0.2 µg/L.

3.9.2 Points of Compliance

A point of compliance is that point or location on a property where the CULs must be attained in each medium of concern. The points of compliance for the Site were established in accordance with WAC 173-340-740(6) for soil and WAC 173-340-720(8) for groundwater. The point of compliance for soil is all soil throughout the Site and the point of compliance for groundwater is all groundwater throughout the Site.

3.9.3 Constituents of Concern

The constituents of concern (COCs) for the Site are those COPCs that have been detected in soil or groundwater at concentrations exceeding their respective CULs. Based on the results of the environmental investigations and final confirmation sampling from the remedial actions, all COPCs identified for soil are now in compliance throughout the Site. As such, there are no COCs identified for Site soil. While recent groundwater analytical data indicate that groundwater COPCs are also in compliance throughout Site, continued monitoring will be necessary to confirm that these conditions are maintained. Therefore, the COCs identified for groundwater at the Site, which are based on their concentrations exceeding the applicable CULs in 2015, include the following:

- DRO;
- ORO;
- Cis-1,2-DCE; and
- Vinyl chloride.

4.0 FEASIBILITY STUDY

The purpose of an FS is to develop and evaluate cleanup alternatives for a site and select a final cleanup action in accordance with WAC 173-340-350(8). The objective of a selected cleanup action is to protect human health and the environment and to meet the requirements of MTCA. This FS evaluates and selects a cleanup action that will serve as a final, permanent remedy for the Site.

4.1 Applicable Regulations

The work documented herein is intended to comply with the laws and regulations of the State of Washington. The work to be performed during implementation of the selected remedy will be performed under the VCP and will comply with MTCA (70.105D RCW) and its implementing regulations (WAC 173-340). Applicable or Relevant and Appropriate Requirements (ARARs) for the selected remedy will be MTCA, and all potential exposure pathways will be addressed. This RI/FS/CAP contains a fully MTCA-compliant CUL development. Therefore, further consideration of ARARs is not warranted and MTCA has been selected as the regulation with primacy for this project.

4.2 Evaluation Criteria

A selected cleanup action must satisfy the requirements of WAC 173-340-360(2). These requirements include both threshold requirements (WAC 173-340-360[2][a]) and other requirements (WAC 173-340-360[2][b]). The threshold requirements include:

- Protection of human health and the environment;
- Compliance with cleanup standards;
- Compliance with applicable state and federal laws; and
- Provisions for compliance monitoring.

Other requirements include:

- Use of permanent solutions to the maximum extent practicable;
- Provisions for a reasonable restoration time frame; and
- Consideration of public concerns.

4.3 Selected Cleanup Action

Implementation of the interim actions discussed in Sections 3.3.2 and 3.3.5 has resulted in soil and groundwater meeting compliance with the CULs presented in Section 3.9.1. Therefore, the selected remedial alternative consists of the remedial excavations that were completed in 2002 and 2017, along with continued monitoring of Site groundwater until four consecutive quarters have demonstrated compliance.

The selected remedial alternative has already resulted in sufficient removal of COCs in soil throughout the subject property and has decreased dissolved COC concentrations in groundwater throughout the Site to levels less than the CULs. This remedial alternative has proven to be highly effective, is a

permanent solution, and was determined to meet or significantly exceed the "minimum requirements for cleanup actions" specified in WAC 173-340-360(2). Because the selected remedial alternative is a permanent solution, the performance of a feasibility study is generally not required by Ecology and a disproportionate cost analysis is specifically not required under WAC 173-340-360(3) to support selection of this alternative.

5.0 CLEANUP ACTION PLAN

As indicated above, soil conditions currently demonstrate compliance with MTCA cleanup standards. As of July 2017, groundwater COCs were all less than the CULs. To sufficiently demonstrate groundwater compliance with MTCA cleanup standards, a groundwater compliance monitoring program will be established for the Site. The monitoring program will be implemented until at least four consecutive quarters of groundwater monitoring data indicate that all COCs have remained at concentrations less than the CULs.

The groundwater compliance monitoring program will consist of quarterly performance of groundwater monitoring activities that include the following:

- Measuring depth to groundwater in recently-installed wells MW-1, MW-2, and MW-3;
- Collecting groundwater samples from MW-1, MW-2, and MW-3 using standard low-flow purging techniques;
- Analyzing the groundwater samples from all of the wells for DRO and ORO by Northwest Method NWTPH-Dx (with silica gel cleanup) and for cVOCs by EPA Method 8260; and
- Preparing quarterly groundwater monitoring reports that present the results.

Once four consecutive quarters of monitoring data demonstrate compliance for groundwater, a final Cleanup Action Report (CAR) will be prepared for the Site. The CAR will be submitted to Ecology with a request for a No Further Action (NFA) determination.

6.0 LIMITATIONS

To the extent that preparation of this RI/FS/CAP 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 RI/FS/CAP is not to be construed as legal advice.

7.0 REFERENCES

Environmental Partners, Inc. (EPI). 2017. *Interim Remedial Action Report*. 1 September.

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SCS Engineers (SCS). 2002. *Voluntary Cleanup Program (VCP) Soil Remediation Report, Soil Excavation and Disposal, PCE Remediation Project, Former Meeker Cleaners Site, Meeker Square Shopping Center, Voluntary Cleanup Program Site NW0879*. September.

Tables

Table 1
Summary of Historical and Current Soil Analytical Data for Chlorinated VOCs
Remedial Investigation, Feasibility Study, and Cleanup Action Plan
Former Meeker Cleaners Site
1301 West Meeker Street, Kent, WA

Sample Location	Sample ID	Sample Depth (Feet)	Sample Date	PCE[a]	TCE[a]
Multiple Subsurface Investigations (SCS Engineers – 1996-2000)					
1	1-2'	2	12/1996	<0.063	<0.063
2	2-2'	2	12/1996	<0.065	<0.065
3	3-2'	2	12/1996	**0.098**	<0.062
	3-5'	5	12/1996	<0.069	<0.069
4	4-2'	2	12/1996	<0.065	<0.065
B3	B3-2'	2	2/2000	**0.79**	<0.050
	B3-5'	5	2/2000	<0.050	<0.050
B4	B4-2'	2	2/2000	**0.89**	<0.050
	B4-5'	5	2/2000	**0.52**	<0.050
SS1	SS1	0.5	2/2000	<0.050	<0.050
SS2	SS2	0.5	2/2000	**0.68**	<0.050
SS3	SS3	0.5	2/2000	**1.10**	<0.050
SS4	SS4	0.5	2/2000	**2.80**	<0.050
DP1[b]	DP1-10'	10	3/2000	**0.18**	<0.050
DP3	DP3-4'	4	3/2000	**0.19**	<0.050
	DP3-6'	6	3/2000	<0.050	<0.050
DP4	DP4-4'	4	3/2000	**0.19**	<0.050
	DP4-7'	7	3/2000	**1.0**	**0.07**
DP6	DP6-8.5'	8.5	3/2000	**0.068**	**0.24**
DP7	DP7-6'	6	4/2000	**0.27**	<0.050
DP8	DP8-3.5'	3.5	4/2000	<0.050	<0.050
DP9	DP9-4'	4	4/2000	**1.3**	<0.050
DP10	DP10-4'	4	4/2000	**0.60**	<0.050
DP11	DP11-5'	5	4/2000	**0.67**	<0.050
DP12	DP12-5.5'	5.5	4/2000	**0.068**	**0.062**
Remedial Excavation (SCS Engineers – 2002)					
SW Sidewall	A2-6'	6	4/11/2002	<0.020	<0.020
SW Test Pit [d]	A3-6'	6	4/9/2002	<0.020	**0.11**
S Sidewall	A8-4'	4	4/9/2002	<0.020	<0.020
S Sidewall	A9-6'	6	4/9/2002	<0.020 / <0.020[c]	<0.002 / <0.020[c]
SE Corner	A12-6'	6	4/15/2002	<0.020	<0.020
E SIdewall	B4west-5	5	4/11/2002	<0.020	<0.020
SE Floor [d]	B11-5'	5	4/10/2002	**0.29**	<0.020
N Sidewall	C3South-6'	6	4/11/2002	<0.020	<0.020
SW Test Pit	C5-2'	2	4/8/2002	<0.020	<0.020
SW Floor [d]	C7-2'	2	4/9/2002	**0.20**	**0.10**
E Floor	C10-5'	5	4/10/2002	**0.32**	**0.082**
SE Floor [d]	C11-4'	4	4/10/2002	**0.36**	**0.15**
W Sidewall	D6west-2'	2	4/10/2002	<0.020 / <0.020[c]	<0.002 / <0.020[c]
Central Floor [d]	D10-4'	4	4/10/2002	**0.24**	<0.020
E Sidewall	D12-6'	6	4/10/2002	<0.020 / <0.020[c]	<0.002 / <0.020[c]
W Test Pit	E5-5'	5	4/10/2002	<0.020	<0.020
E Floor [d]	E10-4'	4	4/10/2002	**1.10**	**0.088**
E Floor	E10-5.5'	5.5	4/11/2002	**0.65 / 0.44**[d]	<0.002 / <0.020[c]
W Test Pit [d]	F7-5'	5	4/10/2002	**0.43**	<0.020
NE Floor [d]	F11west-5'	5	4/11/2002	**0.20**	<0.020
NE Corner	F13-5'	5	5/9/2002	<0.020	<0.020
NW Test Pit	G3-4'	4	4/8/2002	<0.020	<0.020
	G3-6'	6	4/8/2002	<0.020	<0.020
NW Test Pit	G5-6'	6	4/8/2002	<0.020 / <0.020[c]	<0.002 / <0.020[c]
NE Test Pit	G11-7'	7	4/9/2002	<0.020 / <0.020[c]	<0.002 / <0.020[c]
NE Sidewall [d]	G12-5'	5	4/12/2002	**0.80**	<0.020
NE Corner	G13north-5'	5	5/9/2002	<0.020	<0.020
NE Corner	G14west-5'	5	5/9/2002	<0.020	<0.020
NW Test Pit	H2-2'	2	4/12/2002	<0.020	<0.020
NW Test Pit	H4-2'	2	4/12/2002	<0.020	<0.020
N Test Pit	H7-6'	6	4/11/2002	<0.020	<0.020
N Test Pit [d]	H9-7'	7	4/9/2002	--	**74**
NE Test Pit	H17north-5.5'	5.5	4/16/2002	<0.020	<0.020
NW Test Pit	I6-6'	6	4/11/2002	<0.020	<0.020
NW Sidewall	I8-6'	6	4/12/2002	<0.020	<0.020
N Test Pit [d]	I9-6'	6	4/11/2002	**0.1**	<0.020
NE Sidewall	I10-5'	5	4/12/2002	<0.020	<0.020
N SIdewall	J9-5'	5	4/12/2002	<0.020	<0.020
N Floor	J9south-6.5'	6.5	4/12/2002	<0.020 / <0.020[c]	<0.002 / <0.020[c]

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Former Meeker Cleaners Site
1301 West Meeker Street, Kent, WA

Sample Location	Sample ID	Sample Depth (Feet)	Sample Date	PCE[a]	TCE[a]
Site Investigation (Environmental Partners, Inc. – 2015)					
B-11	B-11:5	5	10/23/2015	<0.025	<0.020
B-12	B-12:5	5	10/23/2015	<0.025	<0.020
B-13	B-13:5	5	10/23/2015	**0.072**	<0.020
B-14	B-14:5	5	11/5/2015	<0.025	<0.020
B-15	B-15:5	5	10/23/2015	**0.028**	<0.020
B-16	B-16:5	5	10/23/2015	<0.025	<0.020
B-17	B-17:6	6	10/23/2015	<0.025	<0.020
B-18	B-18:5	5	10/23/2015	<0.025	<0.020
B-19	B-19:5	5	11/5/2015	<0.025	<0.020
B-20	B-20:5	5	11/5/2015	<0.025	<0.020
Remedial Excavation (Environmental Partners, Inc. – 2017)					
Floor	E15-B-1:6	6	2/21/2017	<0.025	<0.020
W Sidewall	E15-WSW-1:5.5	5.5	2/21/2017	<0.025	<0.020
Floor	E16-B-1:5	5	2/17/2017	<0.025	<0.020
E Sidewall	E16-ESW-1:5.5	5.5	2/21/2017	**0.03**	<0.020
N Sidewall	G15-NSW-1:5.5	5.5	2/21/2017	<0.025	<0.020
S Sidewall	I16-SSW-1:5.5	5.5	2/22/2017	<0.025	<0.020
Floor	J16-B-1:6	6	2/22/2017	<0.025	<0.020
N Sidewall	K16-NSW-1:5.5	5.5	2/22/2017	<0.025	<0.020
MTCA Method A Soil Cleanup Level for Unrestricted Land Uses[e]				**0.05**	**0.03**

Notes:

All results presented in milligrams per 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 EPA Method 8021B, unless otherwise noted.
b	Samples from 2002 test pit I6 were used to confirm data for boring DP1; no contamination was identified (SCS 2002).
c	Analyzed by EPA Method 8260 to confirm EPA Method 8021B result.
d	Identified as characterization sample for soil that was excavated.
e	Based on Model Toxics Control Act (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses from Table 740-1 of Chapter 173-340-900.
<	Analyte was not detected at the laboratory reporting limit shown.
--	Not analyzed.

Compounds:

VOCs	Volatile organic compounds
PCE	Tetrachloroethene
TCE	Trichloroethene

Table 2
Summary of Historical and Current Soil Analytical Data for Petroleum Hydrocarbons
Remedial Investigation, Feasibility Study, and Cleanup Action Plan
Former Meeker Cleaners Site
1301 West Meeker Street, Kent, WA

Sample Location	Sample ID	Sample Depth (Feet)	Sample Date	DRO[a]	ORO[a]
Site Investigation (Environmental Partners, Inc. – 2015)					
B-11	B-11:5	5	10/23/2015	<50	<250
B-12	B-12:5	5	10/23/2015	<50	<250
B-13	B-13:5	5	10/23/2015	**310 x**	**4,000**
B-14	B-14:5	5	11/5/2015	<50	<250
B-15	B-15:5	5	10/23/2015	**260 x**	**4,700**
B-16	B-16:5	5	10/23/2015	**300 x**	**3,600**
B-17	B-17:6	6	10/23/2015	<50	**870**
B-18	B-18:5	5	10/23/2015	<50	<250
B-19	B-19:5	5	11/5/2015	<50	<250
B-20	B-20:5	5	11/5/2015	<50	<250
B-21	B-21:5	5	11/6/2015	<50	<250
B-22	B-22:5	5	11/6/2015	<50	<250
B-23	B-23:5	5	11/6/2015	<50	<250
B-24	B-24:2	2	11/20/2015	**490 x**	**4,200**
	B-24:4	4	11/21/2015	**330 x**	**4,800**
	B-24:6	6	11/22/2015	<50	<250
	B-24:8	8	11/23/2015	<50	<250
	B-24:10	10	11/24/2015	<50	<250
	B-24:15	15	11/25/2015	<50	<250
B-25	B-25:2	2	11/20/2015	<50	<250
	B-25:4	4	11/20/2015	<50	<250
	B-25:6	6	11/20/2015	<50	<250
	B-25:8	8	11/20/2015	<50	<250
	B-25:10	10	11/20/2015	<50	<250
B-26	B-26:2	2	11/20/2015	**270 x**	**4,300**
	B-26:4	4	11/20/2015	**290 x**	**4,600**
	B-26:6	6	11/20/2015	<50	<250
	B-26:8	8	11/20/2015	<50	<250
	B-26:10	10	11/20/2015	<50	<250
	B-26:15	15	11/20/2015	<50	<250
B-27	B-27:2	2	11/20/2015	<50	<250
	B-27:4	4	11/20/2015	<50	<250
	B-27:6	6	11/20/2015	<50	<250
	B-27:8	8	11/20/2015	<50	<250
	B-27:10	10	11/20/2015	<50	<250
	B-27:15	15	11/20/2015	<50	<250
B-28	B-28:2	2	11/20/2015	**200 x**	**2,600**
	B-28:4	4	11/20/2015	<50	<250
	B-28:6	6	11/20/2015	<50	<250
	B-28:8	8	11/20/2015	<50	<250
	B-28:10	10	11/20/2015	<50	<250
B-29	B-29:2	2	11/20/2015	<50	<250
	B-29:4	4	11/20/2015	<50	<250
	B-29:6	6	11/20/2015	<50	<250
	B-29:8	8	11/20/2015	<50	<250
	B-29:10	10	11/20/2015	<50	<250
B-30	B-30:2	2	11/20/2015	<50	<250
	B-30:4	4	11/20/2015	<50	<250
	B-30:6	6	11/20/2015	<50	<250
	B-30:8	8	11/20/2015	<50	<250
	B-30:10	10	11/20/2015	<50	<250
B-31	B-31:2	2	11/20/2015	<50	<250
	B-31:4	4	11/20/2015	<50	<250
	B-31:6	6	11/20/2015	<50	<250
	B-31:8	8	11/20/2015	<50	<250
	B-31:10	10	11/20/2015	<50	<250
B-32	B-32:2	2	11/20/2015	**85 x**	**2,200**
	B-32:4	4	11/20/2015	<50	<250
	B-32:6	6	11/20/2015	<50	<250
	B-32:8	8	11/20/2015	<50	<250
	B-32:10	10	11/20/2015	<50	<250
	B-32:15	15	11/20/2015	<50	<250
B-33	B-33:2	2	11/20/2015	<50	<250
	B-33:4	4	11/20/2015	<50	<250
	B-33:6	6	11/20/2015	<50	**570**
	B-33:8	8	11/20/2015	<50	<250
	B-33:10	10	11/20/2015	<50	<250
B-34	B-34:2	2	11/20/2015	**180 x**	**2,600**
	B-34:4	4	11/20/2015	**200 x**	**2,600**
	B-34:6	6	11/20/2015	<50	<250
	B-34:8	8	11/20/2015	<50	<250
	B-34:10	10	11/20/2015	<50	<250
B-35	B-35:2	2	11/20/2015	<50	<250
	B-35:4	4	11/20/2015	<50	<250
	B-35:6	6	11/20/2015	<50	<250
	B-35:8	8	11/20/2015	<50	<250
	B-35:10	10	11/20/2015	<50	<250

Table 2
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Remedial Investigation, Feasibility Study, and Cleanup Action Plan
Former Meeker Cleaners Site
1301 West Meeker Street, Kent, WA

Sample Location	Sample ID	Sample Depth (Feet)	Sample Date	DRO[a]	ORO[a]
Remedial Excavation (Environmental Partners, Inc. – 2017)					
S Sidewall	A9-SSW-1:3	3	2/17/2017	<50	<250
S Sidewall	A14-SSW-1:3	3	2/24/2017	<50	<250
S Sidewall	B9-SSW-1:3	3	2/15/2017	**270 x**	**3,700**
S Sidewall	B10-SSW-1:3.5	3.5	2/15/2017	<50	<250
S Sidewall	B12-SSW-1:2	2	2/15/2017	<50	<250
S Sidewall	B13-SSW-1:2	2	2/20/2017	**110 x**	**2,600**
E Sidewall	B14-ESW-1:2	2	2/20/2017	**85 x**	**2,200**
E Sidewall	B14-ESW-2:2	2	2/21/2017	**160 x**	**2,100**
S Sidewall	B14-SSW-1:3	3	2/23/2017	**420 x**	**4,200**
E Sidewall	B15-ESW-1:2.5	2.5	2/23/2017	**360 x**	**4,100**
S Sidewall	B17-SSW-1:3.5	3.5	2/28/2017	**270 x**	**3,200**
W Sidewall	C7-WSW-1:3	3	2/15/2017	**110 x**	**2,000**
Floor	C9-B-1:6	6	2/16/2017	<50	<250
Floor	C10-B-1:7	7	2/16/2017	<50	<250
E Sidewall	C11-ESW-1:5.5	5.5	2/15/2017	<50	<250
Floor	C12-B-1:3	3	2/15/2017	<50	<250
E Sidewall	C12-ESW-1:2	2	2/15/2017	**130 x**	**2,400**
Floor	C13-B-1:3.4	3.4	2/20/2017	**380 x**	**4,700**
Floor	C13-B-2:4.5	4.5	2/21/2017	**310 x**	**3,700**
E Sidewall	C13-ESW-1:2	2	2/17/2017	**200 x**	**4,000**
Floor	C14-B-1:5	5	2/23/2017	<50	<250
E Sidewall	C14-ESW-1:2	2	2/20/2017	**300 x**	**3,500**
E Sidewall	C14-ESW-2:2.5	2.5	2/21/2017	**580 x**	**5,900**
Floor	C16-B-1:5.5	5.5	2/28/2017	<50	<250
S Sidewall	C16-SSW-1:3.5	3.5	2/23/2017	**340 x**	**4,200**
E Sidewall	C17-ESW-1-4.5	4.5	2/23/2017	<50	<250
W Sidewall	D7-WSW-1:4	4	2/15/2017	<50	<250
N Sidewall	D8-NSW-1:4	4	2/16/2017	<50	<250
N Sidewall	D9-NSW-1:3.5	3.5	2/16/2017	<50	<250
Floor	D11-B-1:3	3	2/15/2017	<50	<250
N Sidewall	D11-NSW-1:2	2	2/15/2017	<50	<250
E Sidewall	D12-ESW-1:2	2	2/15/2017	**530 x**	**5,200**
N Sidewall	D13-NSW-1:2	2	2/21/2017	**480 x**	**5,100**
E Sidewall	D15-ESW-1:2.5	2.5	2/23/2017	**370 x**	**4,600**
W Sidewall	D15-WSW-1:4.5	4.5	2/17/2017	<50	<250
Floor	D16-B-1:5	5	2/23/2017	<50	<250
E Sidewall	D17-ESW-1:4.5	4.5	2/17/2017	**540 x**	**6,600**
E Sidewall	D17-ESW-2:4.5	4.5	2/20/2017	**510 x**	**4,700**
E Sidewall	D18-ESW-1:3	3	2/28/2017	<50	<250
W Sidewall	E12-WSW-1:3.5	3.5	2/23/2017	**470 x**	**5,000**
Floor	E16-B-1:5	5	2/17/2017	<50	<250
W Sidewall	F11-WSW-1:3.5	3.5	2/24/2017	<50	<250
Floor	F13-B-1:5.5	5.5	2/23/2017	<50	<250
Floor	F14-B-1:5.5	5.5	2/21/2017	<50	<250
W Sidewall	F14-WSW-1:3.5	3.5	2/17/2017	**530 x**	**6,200**
W Sidewall	F14-WSW-2:3.5	3.5	2/21/2017	**570 x**	**6,200**
Floor	F16-B-1:5	5	2/21/2017	<50	<250
Floor	F18-B-1:5	5	2/16/2017	<50	<250
E Sidewall	F19-ESW-1:3.5	3.5	2/16/2017	<50	<250
W Sidewall	G12-WSW-1:3.5	3.5	2/23/2017	**240 x**	**2,900**
W Sidewall	G13-WSW-1:3.5	3.5	2/21/2017	**470 x**	**4,400**
Fire Hydrant	G18-Hyd-E-1:3	3	2/16/2017	**140 x**	**3,300**
Fire Hydrant	G18-Hyd-N-1:5	5	2/16/2017	**130 x**	**3,000**
Fire Hydrant	G18-Hyd-W-1:3	3	2/16/2017	<50	<250
Floor	H15-B-1:5.5	5.5	2/21/2017	<50	<250
Fire Hydrant	H18-Hyd-N-1:5.5	5.5	2/22/2017	**250 x**	**4,700**
Fire Hydrant	H18-Hyd-N-2:6.5	6.5	2/23/2017	<50	<250
Floor	I12-B-1:5	5	2/21/2017	<50	<250
W Sidewall	I13-WSW-1:3.5	3.5	2/21/2017	<50	<250
Floor	I17-B-1:5.5	5.5	2/21/2017	<50	<250
Floor	I18-B-1:5	5	2/16/2017	<50	<250
E Sidewall	I20-ESW-1:3	3	2/16/2017	<50	<250
N Sidewall	J18-NSW-1:3	3	2/16/2017	<50	<250
Floor	K15-B-1:5.5	5.5	2/21/2017	<50	<250
W Sidewall	K15-WSW-1:3.5	3.5	2/20/2017	<50	<250
N Sidewall	K17-NSW-1:4	4	2/20/2017	<50	<250
MTCA Method A Soil Cleanup Level for Unrestricted Land Uses[b]				**2,000**	**2,000**

Notes:

All results presented in milligrams per 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 Northwest Method NWTPH-Dx.

b Based on Model Toxics Control Act (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses from Table 740-1 of Chapter 173-340-900.

< Analyte was not detected at the laboratory reporting limit shown.

Compounds:

DRO Diesel-range organics

ORO Oil-range organics

Qualifier:

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

Table 3
Historical and Current Groundwater Analytical Data
Remedial Investigation, Feasibility Study, and Cleanup Action Plan
Former Meeker Cleaners Site
1301 West Meeker Street, Kent, WA

Sample ID	Sample Date	Petroleum Hydrocarbons			Volatile Organic Compounds[c]				
		GRO[a]	DRO[b]	ORO[b]	PCE	TCE	cis 1,2-DCE	trans-1,2-DCE	Vinyl Chloride
Multiple Subsurface Investigations (SCS Engineers – 2000)									
DP1	3/2000	--	--	--	<1[d]	<1[d]	<5[d]	*	*
DP2	3/2000	--	--	--	<1[d]	<1[d]	<5[d]	*	*
DP3	3/2000	--	--	--	<1[d]	<1[d]	<5[d]	*	*
DP4	3/2000	--	--	--	**380**[d]	**14**[d]	<5[d]	*	*
DP5	3/2000	--	--	--	<1[d]	<1[d]	<5[d]	*	*
DP6	3/2000	--	--	--	<1[d]	<1[d]	<5[d]	*	*
DP7	4/2000	--	--	--	**6.6**[d]	**18**[d]	**5.8**[d]	*	*
DP8	4/2000	--	--	--	<1[d]	<1[d]	<5[d]	*	*
DP9	4/2000	--	--	--	**110**[d]	**180**[d]	**35**[d]	*	*
DP10	4/2000	--	--	--	<1[d]	**2.2**[d]	<5[d]	*	*
DP11	4/2000	--	--	--	**14**[d]	**2.9**[d]	<5[d]	*	*
DP12	4/2000	--	--	--	<1[d]	<1[d]	<5[d]	*	*
DP15	4/2000	--	--	--	<1[d]	<1[d]	<5[d]	*	*
Groundwater Sampling, Meeker Square (Migizi Group – 2014)									
MW1	8/27/2014	<50.0	**1,350**	**1,780**	<1.00	<0.500	<1.00	<1.00	<0.200
MW2	8/27/2014	<50.0	**1,520**	**3,170**	<1.00	<0.500	<1.00	<1.00	**4.45**
MW3	8/27/2014	<50.0	<50.0	**234**	<1.00	<0.500	<1.00	**1.03**	**0.870**
Site Investigation, Area 3, Former Meeker Cleaners (Environmental Partners, Inc. – 2015)									
B-11	10/23/2015	--	**91 x**	<250	<1	<1	<1	<1	<0.2
B-12	10/23/2015	--	**98 x**	<260	<1	<1	<1	<1	<0.2
B-13	10/23/2015	--	**170 x**	<250	<1	<1	**1.8**	<1	<0.2
B-14	11/6/2015	--	<50	<250	<1	<1	<1	<1	<0.2
B-15	10/23/2015	--	**560 x**	**500 x**	<1	<1	**1.8**	<1	**0.95**
B-16	10/23/2015	--	**280 x**	**330 x**	<1	<1	<1	<1	<0.2
B-17	10/23/2015	--	**550 x**	**320 x**	<1	<1	**26**	**1.4**	**21**
B-18	10/23/2015	--	**120 x**	<270	<1	<1	<1	<1	<0.2
B-19	11/6/2015	--	<50	<250	<1	<1	<1	<1	<0.2
B-20	11/6/2015	--	<50	<250	<1	<1	<1	<1	<0.2
B-21	11/6/2015	--	**170 x**	<250	--	--	--	--	--
B-22	11/6/2015	--	<50	<250	--	--	--	--	--
B-23	11/6/2015	--	<50	<250	--	--	--	--	--
Groundwater Sampling (Environmental Partners, Inc. – 2017)									
MW-1	7/12/2017	--	**270**[e]	**470**[e]	<1	<1	<1	<1	<0.2
MW-2	7/12/2017	--	**91**[e]	<250[e]	<1	<1	<1	<1	<0.2
MW-3	7/12/2017	--	<50[e]	<250[e]	<1	<1	<1	<1	<0.2
MTCA Method A Cleanup Levels for Groundwater[f]		**1,000**	**500**	**500**	**5**	**5**	**16**[g]	**100**[h]	**0.2**

Notes:

All results presented in micrograms per liter (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 Gasoline-range organics (GRO) analyzed by Northwest Method NWTPH-Gx.

b Diesel-range organics (DRO) and heavy oil-range organics (ORO) analyzed by Northwest Method NWTPH-Dx.

c Analyzed by EPA Method 8260, unless otherwise noted.

d Analyzed by EPA Method 8021B.

e Sample extracts passed through a silica gel column prior to analysis.

f Based on Model Toxics Control Act (MTCA) Method A Cleanup Levels for Groundwater from Table 720-1 of Chapter 173-340-900, unless otherwise noted.

g Based on MTCA Method B, standard formula value, non-carcinogen.

h Based on the Washington State Maximum Contaminant Level.

< Analyte was not detected at the laboratory reporting limit shown.

-- Not analyzed.

* Data not available.

Table 4
Summary of Current Soil Analytical Data
Remedial Investigation, Feasibility Study, and Cleanup Action Plan
Former Meeker Cleaners Site
1301 West Meeker Street, Kent, WA

Sample Location	Sample ID	Sample Depth (Feet)	Sample Date	Petroleum Hydrocarbons		Chlorinated VOCs[b]	
				DRO[a]	ORO[a]	PCE	TCE
Remedial Excavation (SCS Engineers – 2002)							
W Test Pit	E5-5'	5	4/10/2002	--	--	<0.020[c]	<0.020[c]
NW Test Pit	G3-4'	4	4/8/2002	--	--	<0.020[c]	<0.020[c]
	G3-6'	6	4/8/2002	--	--	<0.020[c]	<0.020[c]
NW Test Pit	G5-6'	6	4/8/2002	--	--	<0.020[c] / <0.020	<0.020[c] / <0.020
NE Test Pit	G11-7'	7	4/9/2002	--	--	<0.020[c] / <0.020	<0.020[c] / <0.020
NW Test Pit	H2-2'	2	4/12/2002	--	--	<0.020[c]	<0.020[c]
NW Test Pit	H4-2'	2	4/12/2002	--	--	<0.020[c]	<0.020[c]
NE Test Pit	H17north-5.5'	5.5	4/16/2002	--	--	<0.020[c]	<0.020[c]
NW Test Pit	I6-6'	6	4/11/2002	--	--	<0.020[c]	<0.020[c]
N Floor	J9south-6.5'	6.5	4/12/2002	--	--	<0.020[c] / <0.020	<0.020[c] / <0.020
Site Investigation (Environmental Partners, Inc. – 2015)							
B-11	B-11:5	5	10/23/2015	<50	<250	<0.025	<0.020
B-12	B-12:5	5	10/23/2015	<50	<250	<0.025	<0.020
B-14	B-14:5	5	11/5/2015	<50	<250	<0.025	<0.020
B-18	B-18:5	5	10/23/2015	<50	<250	<0.025	<0.020
B-19	B-19:5	5	11/5/2015	<50	<250	<0.025	<0.020
B-20	B-20:5	5	11/5/2015	<50	<250	<0.025	<0.020
B-21	B-21:5	5	11/6/2015	<50	<250	--	--
B-22	B-22:5	5	11/6/2015	<50	<250	--	--
B-23	B-23:5	5	11/6/2015	<50	<250	--	--
B-24	B-24:6	6	11/22/2015	<50	<250	--	--
	B-24:8	8	11/23/2015	<50	<250	--	--
	B-24:10	10	11/24/2015	<50	<250	--	--
	B-24:15	15	11/25/2015	<50	<250	--	--
B-25	B-25:2	2	11/20/2015	<50	<250	--	--
	B-25:4	4	11/20/2015	<50	<250	--	--
	B-25:6	6	11/20/2015	<50	<250	--	--
	B-25:8	8	11/20/2015	<50	<250	--	--
	B-25:10	10	11/20/2015	<50	<250	--	--
B-26	B-26:6	6	11/20/2015	<50	<250	--	--
	B-26:8	8	11/20/2015	<50	<250	--	--
	B-26:10	10	11/20/2015	<50	<250	--	--
	B-26:15	15	11/20/2015	<50	<250	--	--
B-27	B-27:2	2	11/20/2015	<50	<250	--	--
	B-27:4	4	11/20/2015	<50	<250	--	--
	B-27:6	6	11/20/2015	<50	<250	--	--
	B-27:8	8	11/20/2015	<50	<250	--	--
	B-27:10	10	11/20/2015	<50	<250	--	--
	B-27:15	15	11/20/2015	<50	<250	--	--
B-28	B-28:4	4	11/20/2015	<50	<250	--	--
	B-28:6	6	11/20/2015	<50	<250	--	--
	B-28:8	8	11/20/2015	<50	<250	--	--
	B-28:10	10	11/20/2015	<50	<250	--	--
B-29	B-29:2	2	11/20/2015	<50	<250	--	--
	B-29:4	4	11/20/2015	<50	<250	--	--
	B-29:6	6	11/20/2015	<50	<250	--	--
	B-29:8	8	11/20/2015	<50	<250	--	--
	B-29:10	10	11/20/2015	<50	<250	--	--
B-30	B-30:2	2	11/20/2015	<50	<250	--	--
	B-30:4	4	11/20/2015	<50	<250	--	--
	B-30:6	6	11/20/2015	<50	<250	--	--
	B-30:8	8	11/20/2015	<50	<250	--	--
	B-30:10	10	11/20/2015	<50	<250	--	--
B-31	B-31:2	2	11/20/2015	<50	<250	--	--
	B-31:4	4	11/20/2015	<50	<250	--	--
	B-31:6	6	11/20/2015	<50	<250	--	--
	B-31:8	8	11/20/2015	<50	<250	--	--
	B-31:10	10	11/20/2015	<50	<250	--	--
B-32	B-32:4	4	11/20/2015	<50	<250	--	--
	B-32:6	6	11/20/2015	<50	<250	--	--
	B-32:8	8	11/20/2015	<50	<250	--	--
	B-32:10	10	11/20/2015	<50	<250	--	--
	B-32:15	15	11/20/2015	<50	<250	--	--
B-33	B-33:2	2	11/20/2015	<50	<250	--	--
	B-33:4	4	11/20/2015	<50	<250	--	--
	B-33:6	6	11/20/2015	<50	**570**	--	--
	B-33:8	8	11/20/2015	<50	<250	--	--
	B-33:10	10	11/20/2015	<50	<250	--	--
B-34	B-34:6	6	11/20/2015	<50	<250	--	--
	B-34:8	8	11/20/2015	<50	<250	--	--
	B-34:10	10	11/20/2015	<50	<250	--	--
B-35	B-35:2	2	11/20/2015	<50	<250	--	--
	B-35:4	4	11/20/2015	<50	<250	--	--
	B-35:6	6	11/20/2015	<50	<250	--	--
	B-35:8	8	11/20/2015	<50	<250	--	--
	B-35:10	10	11/20/2015	<50	<250	--	--

Table 4
Summary of Current Soil Analytical Data
Remedial Investigation, Feasibility Study, and Cleanup Action Plan
Former Meeker Cleaners Site
1301 West Meeker Street, Kent, WA

Sample Location	Sample ID	Sample Depth (Feet)	Sample Date	Petroleum Hydrocarbons		Chlorinated VOCs[b]	
				DRO[a]	ORO[a]	PCE	TCE
Remedial Excavation (Environmental Partners, Inc. – 2017)							
S Sidewall	A9-SSW-1:3	3	2/17/2017	<50	<250	--	--
S Sidewall	A14-SSW-1:3	3	2/24/2017	<50	<250	--	--
S Sidewall	B10-SSW-1:3.5	3.5	2/15/2017	<50	<250	--	--
S Sidewall	B12-SSW-1:2	2	2/15/2017	<50	<250	--	--
S Sidewall	B13-SSW-1:2	2	2/20/2017	**110 x**	**2,600**[d]	--	--
S Sidewall	B17-SSW-1:3.5	3.5	2/28/2017	**270 x**	**3,200**[d]	--	--
W Sidewall	C7-WSW-1:3	3	2/15/2017	**110 x**	**2,000**	--	--
Floor	C9-B-1:6	6	2/16/2017	<50	<250	--	--
Floor	C10-B-1:7	7	2/16/2017	<50	<250	--	--
E Sidewall	C11-ESW-1:5.5	5.5	2/15/2017	<50	<250	--	--
Floor	C12-B-1:3	3	2/15/2017	<50	<250	--	--
Floor	C14-B-1:5	5	2/23/2017	<50	<250	--	--
Floor	C16-B-1:5.5	5.5	2/28/2017	<50	<250	--	--
W Sidewall	D7-WSW-1:4	4	2/15/2017	<50	<250	--	--
N Sidewall	D8-NSW-1:4	4	2/16/2017	<50	<250	--	--
N Sidewall	D9-NSW-1:3.5	3.5	2/16/2017	<50	<250	--	--
Floor	D11-B-1:3	3	2/15/2017	<50	<250	--	--
N Sidewall	D11-NSW-1:2	2	2/15/2017	<50	<250	--	--
Floor	D16-B-1:5	5	2/23/2017	<50	<250	--	--
E Sidewall	D18-ESW-1:3	3	2/28/2017	<50	<250	--	--
Floor	E15-B-1:6	6	2/21/2017	--	--	<0.025	<0.020
W Sidewall	E15-WSW-1:5.5	5.5	2/21/2017	--	--	<0.025	<0.020
Floor	E16-B-1:5	5	2/17/2017	<50	<250	<0.025	<0.020
E Sidewall	E16-ESW-1:5.5	5.5	2/21/2017	--	--	**0.030**	<0.020
W Sidewall	F11-WSW-1:3.5	3.5	2/24/2017	<50	<250	--	--
Floor	F13-B-1:5.5	5	2/23/2017	<50	<250	--	--
Floor	F14-B-1:5.5	5.5	2/21/2017	<50	<250	--	--
Floor	F16-B-1:5	5	2/21/2017	<50	<250	--	--
Floor	F18-B-1:5	5	2/16/2017	<50	<250	--	--
E Sidewall	F19-ESW-1:3.5	3.5	2/16/2017	<50	<250	--	--
N Sidewall	G15-NSW-1:5.5	5.5	2/21/2017	--	--	<0.025	<0.020
Floor	H15-B-1:5.5	5.5	2/21/2017	<50	<250	--	--
Fire Hydrant	H18-Hyd-N-2:6.5	6.5	2/23/2017	<50	<250	--	--
Floor	I12-B-1:5	5	2/21/2017	<50	<250	--	--
W Sidewall	I13-WSW-1:3.5	3.5	2/21/2017	<50	<250	--	--
S Sidewall	I16-SSW-1:5.5	5.5	2/22/2017	--	--	<0.025	<0.020
Floor	I17-B-1:5.5	5.5	2/21/2017	<50	<250	--	--
Floor	I18-B-1:5	5	2/16/2017	<50	<250	--	--
E Sidewall	I20-ESW-1:3	3	2/16/2017	<50	<250	--	--
Floor	J16-B-1:6	6	2/22/2017	--	--	<0.025	<0.020
N Sidewall	J18-NSW-1:3	3	2/16/2017	<50	<250	--	--
Floor	K15-B-1:5.5	5.5	2/21/2017	<50	<250	--	--
W Sidewall	K15-WSW-1:3.5	3.5	2/20/2017	<50	<250	--	--
N Sidewall	K16-NSW-1:5.5	5.5	2/22/2017	--	--	<0.025	<0.020
N Sidewall	K17-NSW-1:4	4	2/20/2017	<50	<250	--	--
Statistical Compliance Evaluation – UCL95[e]				**NA**	**514.8**	**NA**	**NA**
MTCA Method A Soil Cleanup Level for Unrestricted Land Uses[f]				**2,000**	**2,000**	**0.05**	**0.03**

Notes:

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

Bold	Bold results indicate that the compound was detected.
a	Analyzed by Northwest Method NWTPH-Dx.
b	Analyzed by EPA Method 8260, unless otherwise noted.
c	Analyzed by EPA Method 8021B.
d	Site soil meets all criteria for statistical compliance with the cleanup standards (EPI IRA 2017).
e	The one-sided upper 95 percent confidence interval (UCL95) was determined for ORO dataset using Ecology's MTCAStat evaluation tool.
f	Based on Model Toxics Control Act (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses from Table 740-1 of Chapter 173-340-900.
NA	Not applicable.
<	Analyte was not detected at the laboratory reporting limit shown.
--	Not analyzed.

Compounds:

DRO	Diesel-range organics
ORO	Oil-range organics
VOCs	Volatile organic compounds
PCE	Tetrachloroethene
TCE	Trichloroethene

Qualifier:

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

Table 5
Groundwater Elevation Data – July 2017
Remedial Investigation, Feasibility Study, and Cleanup Action Plan
Former Meeker Cleaners Site
1301 West Meeker Street, Kent, WA

Well ID	Top of Casing Elevation[a]	Date	Depth to Water[b]	Relative Water Table Elevation[c]
MW-1	98.28	7/11/2017	4.22	94.06
		7/12/2017	4.24	94.04
		7/17/2017	4.34	93.94
MW-2	99.15	7/11/2017	5.08	94.07
		7/12/2017	5.10	94.05
		7/17/2017	5.60	93.55
MW-3	99.27	7/11/2017	5.62	93.65
		7/12/2017	5.64	93.63
		7/17/2017	5.71	93.56

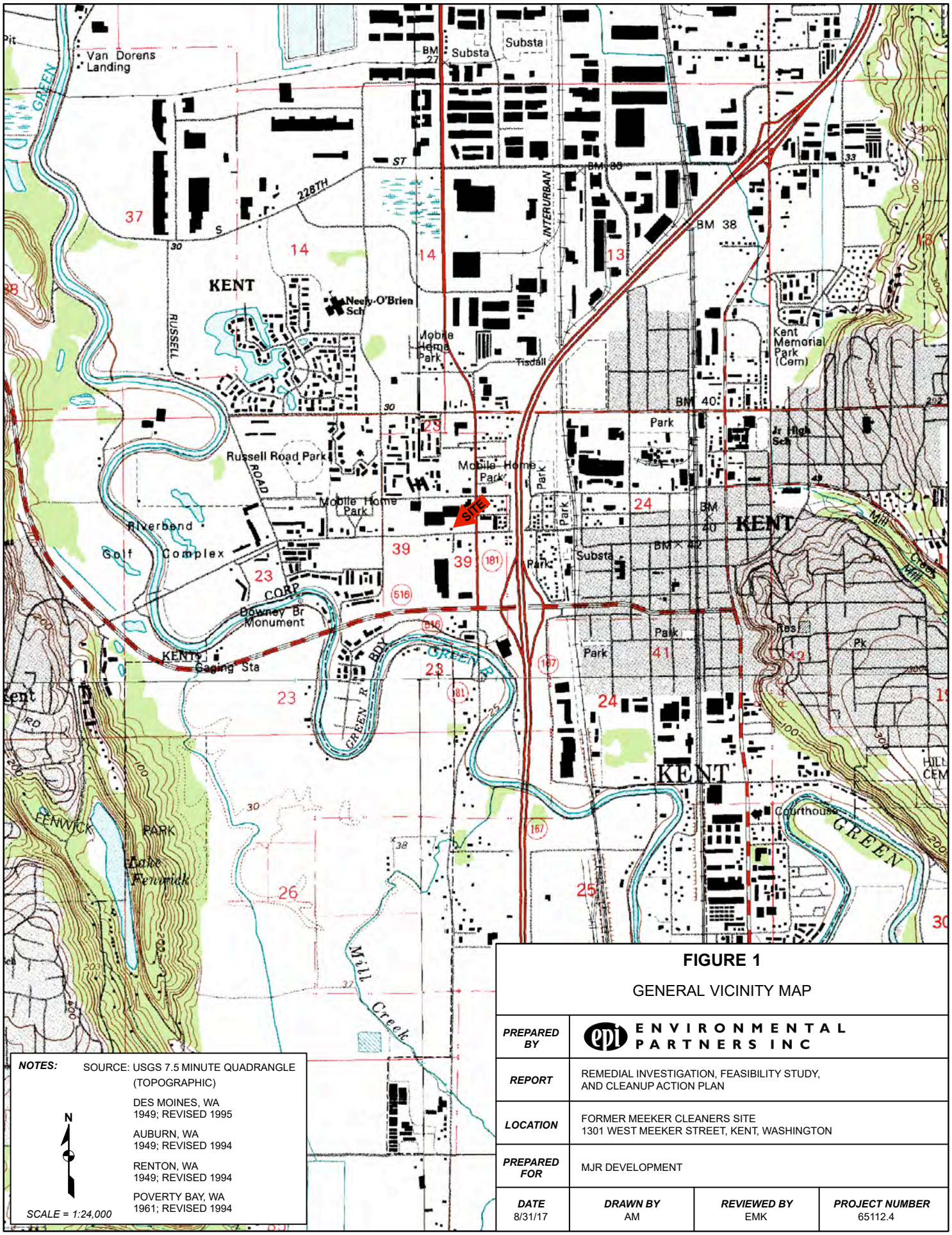
Notes:

a Top of casing elevation measured in feet surveyed by Environmental Partners, Inc., relative to an arbitrary benchmark with an elevation of 100 feet.

b Depth to water measured in feet from surveyed point at top of well casing.

c Relative Water Table Elevation = (Top of Casing Elevation) - (Depth to Water)

Figures



NOTES:

SOURCE: USGS 7.5 MINUTE QUADRANGLE (TOPOGRAPHIC)

DES MOINES, WA
1949; REVISED 1995

AUBURN, WA
1949; REVISED 1994

RENTON, WA
1949; REVISED 1994

POVERTY BAY, WA
1961; REVISED 1994

N

SCALE = 1:24,000

FIGURE 1

GENERAL VICINITY MAP

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND CLEANUP ACTION PLAN		
LOCATION	FORMER MEEKER CLEANERS SITE 1301 WEST MEEKER STREET, KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 8/31/17	***DRAWN BY*** AM	***REVIEWED BY*** EMK	***PROJECT NUMBER*** 65112.4

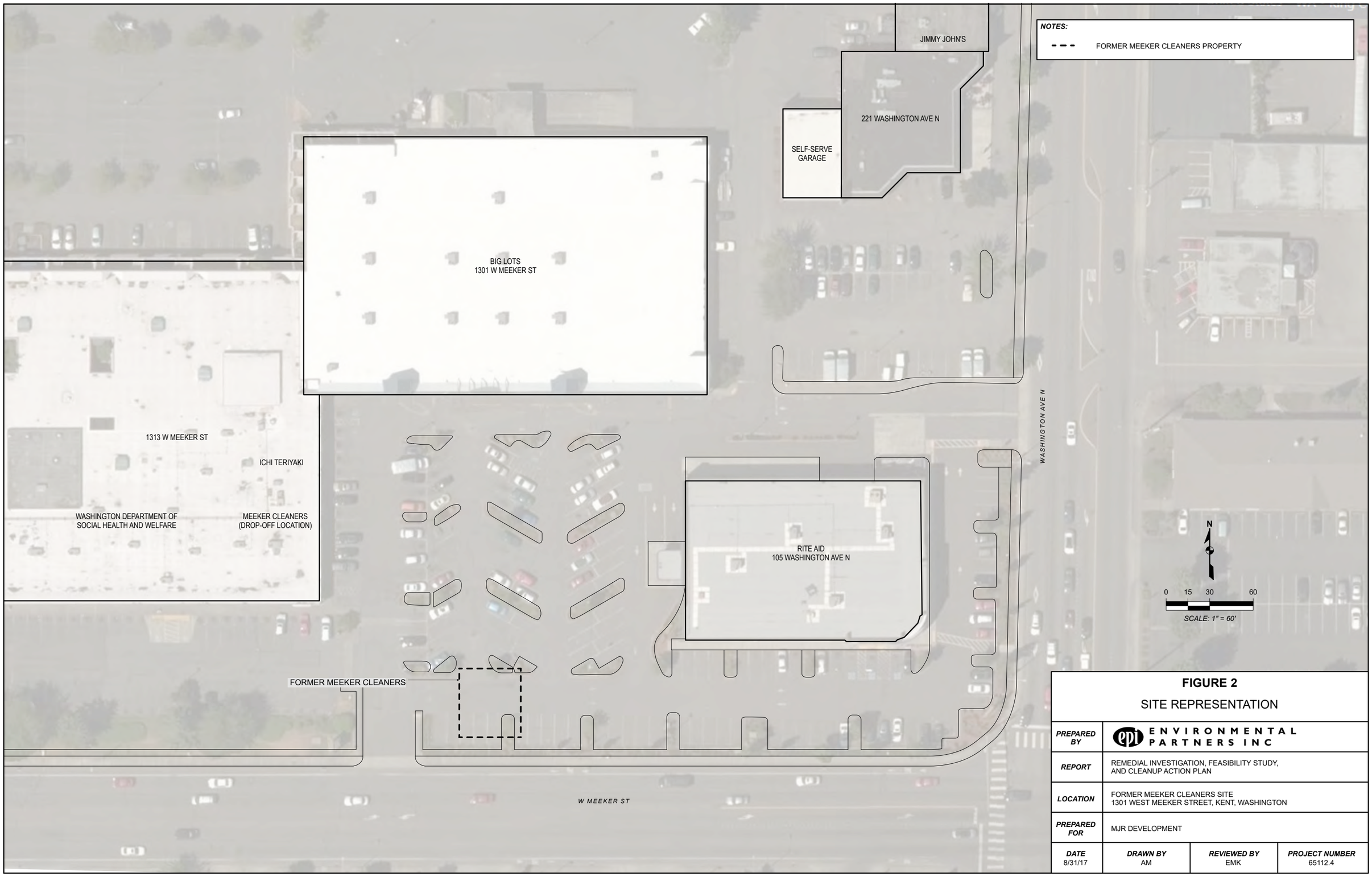


FIGURE 2

SITE REPRESENTATION

PREPARED BY	epi ENVIRONMENTAL PARTNERS INC		
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND CLEANUP ACTION PLAN		
LOCATION	FORMER MEEKER CLEANERS SITE 1301 WEST MEEKER STREET, KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 8/31/17	**DRAWN BY** AM	**REVIEWED BY** EMK	**PROJECT NUMBER** 65112.4

NOTES:

HISTORICAL SITE FEATURES

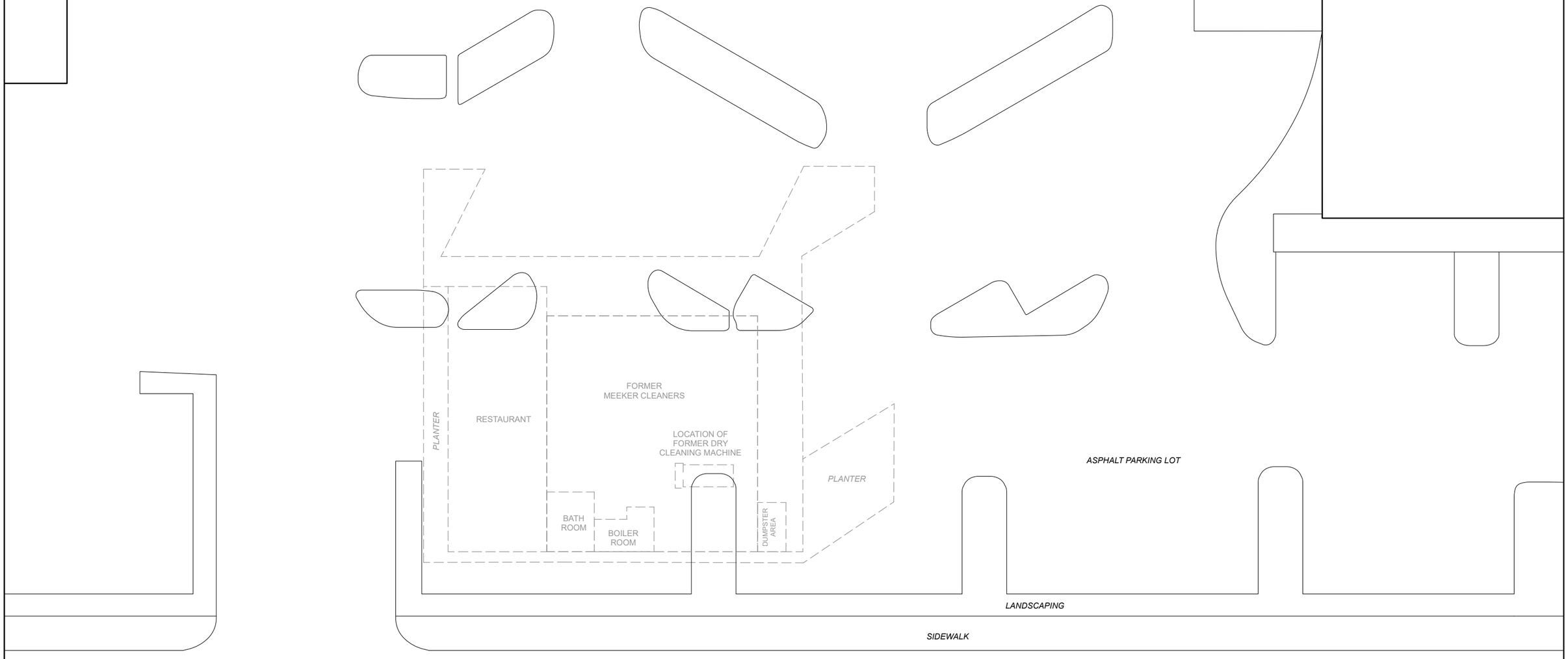


FIGURE 3

HISTORICAL SITE FEATURES

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND CLEANUP ACTION PLAN		
LOCATION	FORMER MEEKER CLEANERS SITE 1301 WEST MEEKER STREET, KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 8/31/17	**DRAWN BY** AM	**REVIEWED BY** EMK	**PROJECT NUMBER** 65112.4

NOTES:

- HISTORICAL SITE FEATURES
- SOIL SAMPLING LOCATION (DEC. 1996)
- SOIL SAMPLING LOCATION (FEB. 2000)
- SOIL AND GROUNDWATER SAMPLING LOCATION (MAR./APR. 2000)
- SOIL AND GROUNDWATER SAMPLING AND PIEZOMETER LOCATION (MAR./APR. 2000)
- * LOCATION FIELD CORRECTED

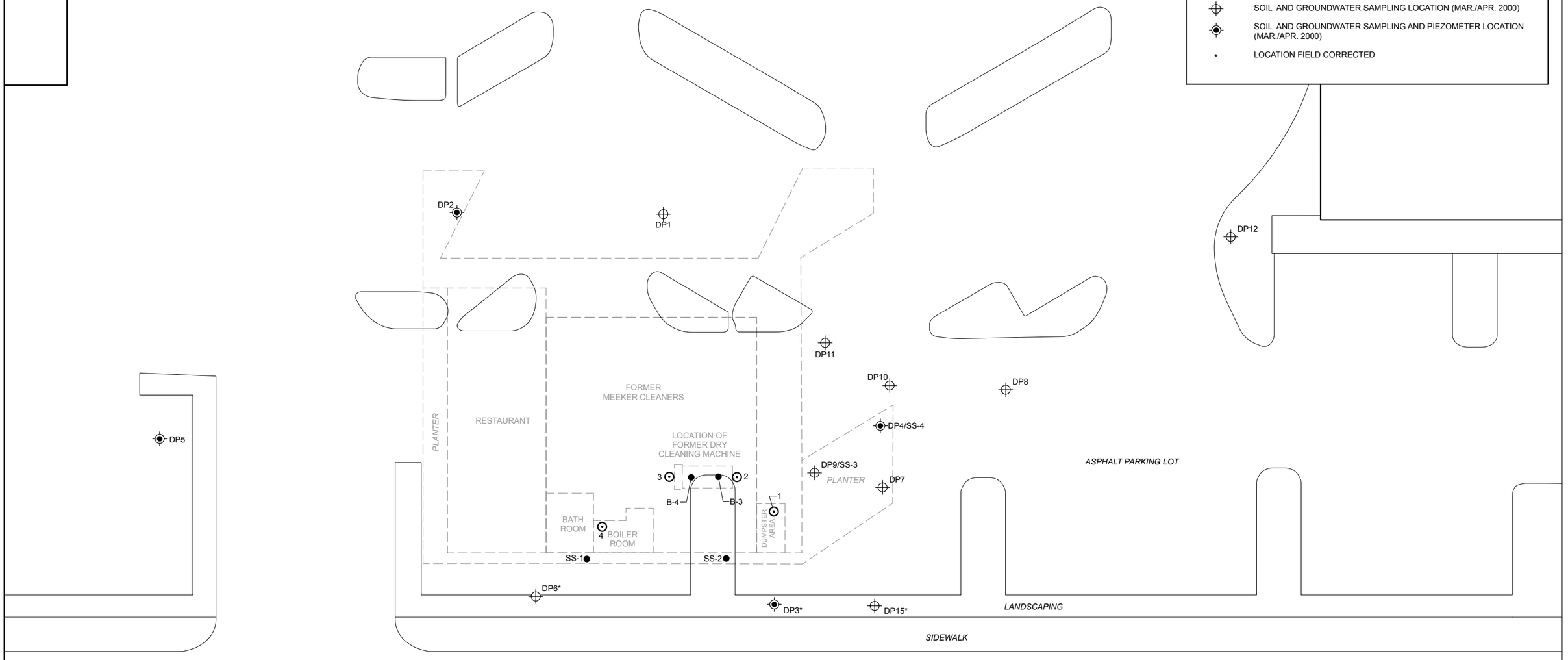


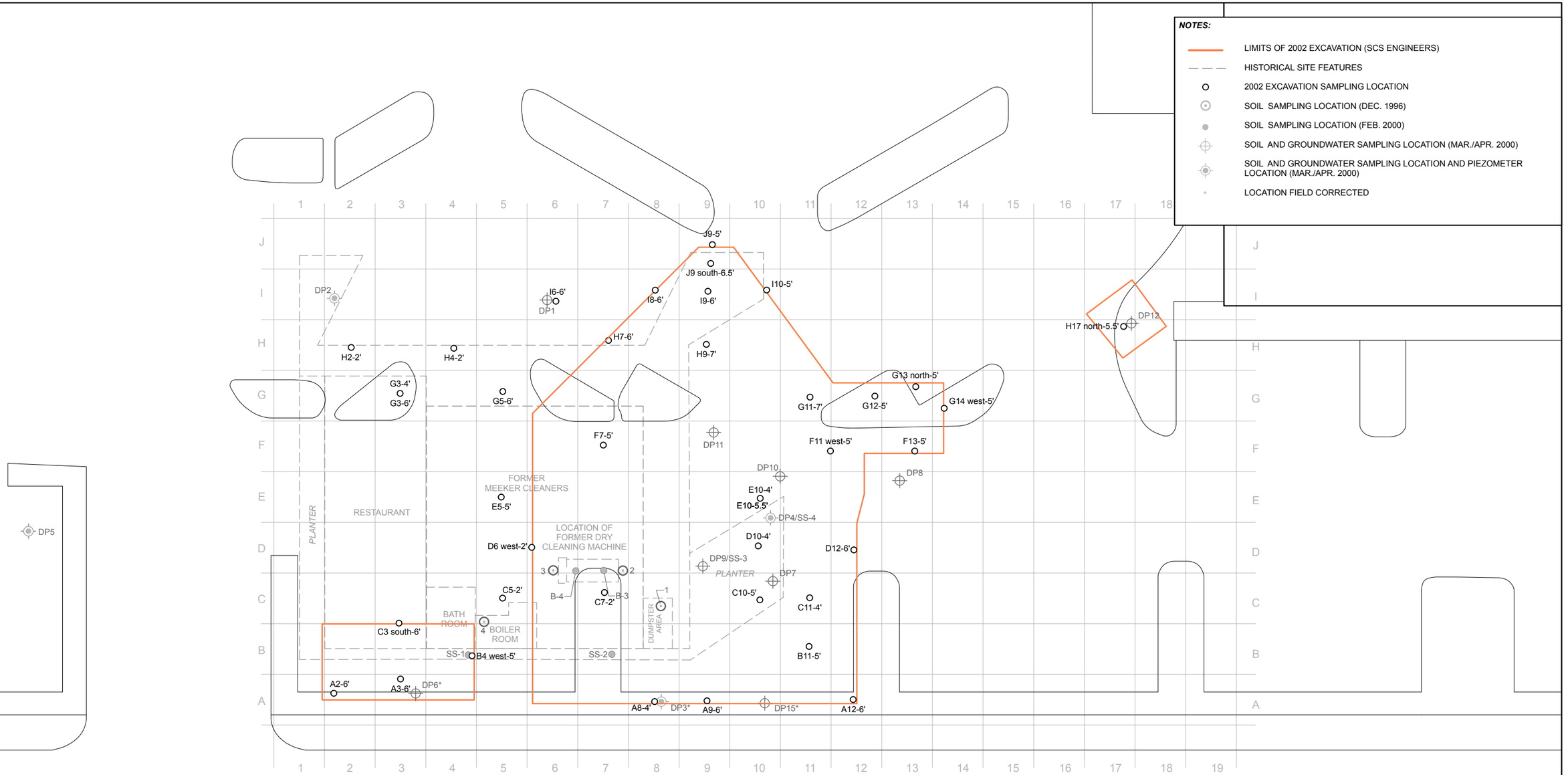
FIGURE 4

HISTORICAL SAMPLING LOCATIONS

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND CLEANUP ACTION PLAN		
LOCATION	FORMER MEEKER CLEANERS SITE 1301 WEST MEEKER STREET, KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 9/6/17	**DRAWN BY** AM	**REVIEWED BY** EMK	**PROJECT NUMBER** 65112.4

NOTES:

- LIMITS OF 2002 EXCAVATION (SCS ENGINEERS)
- HISTORICAL SITE FEATURES
- 2002 EXCAVATION SAMPLING LOCATION
- SOIL SAMPLING LOCATION (DEC. 1996)
- SOIL SAMPLING LOCATION (FEB. 2000)
- SOIL AND GROUNDWATER SAMPLING LOCATION (MAR./APR. 2000)
- SOIL AND GROUNDWATER SAMPLING LOCATION AND PIEZOMETER LOCATION (MAR./APR. 2000)
- LOCATION FIELD CORRECTED



W MEEKER ST

N

0 5 10 20

SCALE: 1" = 20'

FIGURE 5
2002 REMEDIAL EXCAVATION SAMPLING LOCATIONS

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND CLEANUP ACTION PLAN		
LOCATION	FORMER MEEKER CLEANERS SITE 1301 WEST MEEKER STREET, KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 9/6/17	**DRAWN BY** AM	**REVIEWED BY** EMK	**PROJECT NUMBER** 65112.4

NOTES:

- LIMITS OF 2002 EXCAVATION (SCS ENGINEERS)
- HISTORICAL SITE FEATURES
- 2002 FINAL CONFIRMATION SAMPLING LOCATION
- SOIL SAMPLING LOCATION (DEC. 1996)
- SOIL AND GROUNDWATER SAMPLING LOCATION (MAR./APR. 2000)
- SOIL AND GROUNDWATER SAMPLING LOCATION AND PIEZOMETER LOCATION (MAR./APR. 2000)
- GREEN — INDICATES SOIL SAMPLING LOCATION WITH ALL CONTAMINANT CONCENTRATIONS LESS THAN THE APPLICABLE CLEANUP LEVELS
- RED — INDICATES SOIL SAMPLING LOCATION WITH ONE OR MORE RESIDUAL CONTAMINANT CONCENTRATIONS EXCEEDING THE APPLICABLE CLEANUP LEVELS

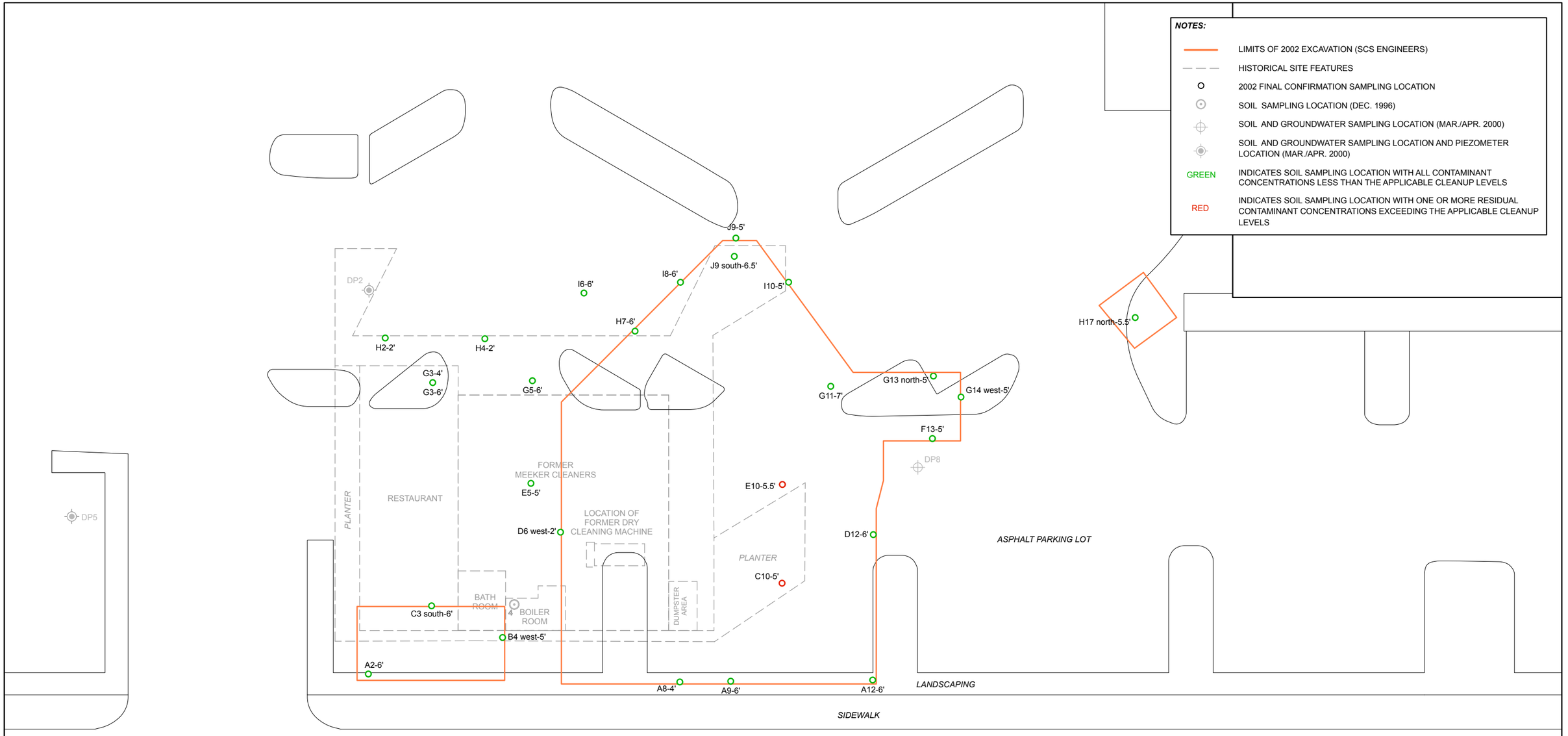


FIGURE 6
2002 EXCAVATION LIMITS AND FINAL CONFIRMATION SAMPLING LOCATIONS

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND CLEANUP ACTION PLAN		
LOCATION	FORMER MEEKER CLEANERS SITE 1301 WEST MEEKER STREET, KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 9/6/17	**DRAWN BY** AM	**REVIEWED BY** EMK	**PROJECT NUMBER** 65112.4

NOTES:

HISTORICAL SITE FEATURES

HISTORICAL MONITORING WELL LOCATION

HISTORICAL PIEZOMETER LOCATION

DP2

MW4

FORMER
MEEKER CLEANERS

MW3

MW5

DP5

ASPHALT PARKING LOT

MW6

MW1

MW2

LANDSCAPING

SIDEWALK

W MEEKER ST

N

0 5 10 20

SCALE: 1" = 20'

FIGURE 7

HISTORICAL MONITORING WELL LOCATIONS

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND CLEANUP ACTION PLAN		
LOCATION	FORMER MEEKER CLEANERS SITE 1301 WEST MEEKER STREET, KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 8/31/17	**DRAWN BY** AM	**REVIEWED BY** EMK	**PROJECT NUMBER** 65112.4

ICHI TERIYAKI

MEEKER CLEANERS
(DROP-OFF LOCATION)

W MEEKER ST

NOTES:

- LIMITS OF 2002 EXCAVATION (SCS ENGINEERS)
- APPROXIMATE SOIL BORING LOCATIONS (2015 INVESTIGATION)
- 2002 FINAL CONFIRMATION SAMPLING LOCATION
- SOIL SAMPLING LOCATION (DEC. 1996)
- SOIL AND GROUNDWATER SAMPLING LOCATION (MAR./APR. 2000)
- SOIL AND GROUNDWATER SAMPLING LOCATION AND PIEZOMETER LOCATION (MAR./APR. 2000)
- GREEN — INDICATES SOIL SAMPLING LOCATION WITH ALL CONTAMINANT CONCENTRATIONS LESS THAN THE APPLICABLE CLEANUP LEVELS
- RED — INDICATES SOIL SAMPLING LOCATION WITH ONE OR MORE CONTAMINANT CONCENTRATIONS EXCEEDING THE APPLICABLE CLEANUP LEVELS

SAMPLE IDENTIFICATION

B-13			
DEPTH	DRO	ORO	PCE
5	**310 x**	**4,000**	**0.072**

BOLD INDICATES COMPOUND WAS DETECTED

SHADED CELL INDICATES THAT COMPOUND WAS DETECTED AT A CONCENTRATION GREATER THAN THE CLEANUP LEVEL

X - THE SAMPLE CHROMATOGRAPHIC PATTERN DOES NOT RESEMBLE THE FUEL STANDARD USED FOR QUANTITATION.

DRO DIESEL-RANGE ORGANICS
ORO OIL-RANGE ORGANICS
PCE TETRACHLOROETHENE

ALL RESULTS PRESENTED IN MILLIGRAMS PER KILOGRAMS (mg/kg)

B-11

B-32

DEPTH	DRO	ORO	PCE
2	**85 x**	**2,200**	NA
4	<50	<250	NA
6	<50	<250	NA
8	<50	<250	NA
10	<50	<250	NA
15	<50	<250	NA

B-31

B-35

B-13

DEPTH	DRO	ORO	PCE
5	**310 x**	**4,000**	**0.072**

B-33

B-34

DEPTH	DRO	ORO	PCE
2	**180 x**	**2,600**	NA
4	**200 x**	**2,600**	NA
6	<50	<250	NA
8	<50	<250	NA
10	<50	<250	NA

B-21

B-22

B-12

B-32

DP2

I6-6'

I8-6'

J9-5'

J9 south-6.5'

I10-5'

H7-6'

B-34

B-14

H17 north-5.5'

H2-2'

H4-2'

B-30

G3-4'

G3-6'

G5-6'

B-15

DEPTH	DRO	ORO	PCE
5	**260 x**	**4,700**	0.028

G11-7'

G13 north-5'

G14 west-5'

B-15

B-26

F13-5'

DP8

B-25

DEPTH	DRO	ORO	PCE
2	**270 x**	**4,300**	NA
4	**290 x**	**4,600**	NA
6	<50	<250	NA
8	<50	<250	NA
10	<50	<250	NA
15	<50	<250	NA

E10-5.5' (4/11/02)

DEPTH	DRO	ORO	PCE
5.5	--	--	**0.44**

E10-5.5'

E5-5'

B-27

B-29

DP5

B-23

D6 west-2'

B-16

DEPTH	DRO	ORO	PCE
5	**300 x**	**3,600**	NA

B-16

C3 south-6'

B-28

B4 west-5'

A2-6'

C10-5' (4/10/02)

DEPTH	DRO	ORO	PCE
5	--	--	**0.32**

B-24

D12-6'

C10-5'

B-17

B-24

DEPTH	DRO	ORO	PCE
2	**490 x**	**4,200**	NA
4	**330 x**	**4,800**	NA
6	<50	<250	NA
8	<50	<250	NA
10	<50	<250	NA
15	<50	<250	NA

B-18

A8-4'

A9-6'

A12-6'

B-28

DEPTH	DRO	ORO	PCE
2	**200 x**	**2,600**	NA
4	<50	<250	NA
6	<50	<250	NA
8	<50	<250	NA
10	<50	<250	NA

B-19

B-20

N

0 7.5 15 30

SCALE: 1" = 30'

FIGURE 8
SOIL SAMPLING LOCATIONS AND ANALYTICAL RESULTS, 2015 INVESTIGATION

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND CLEANUP ACTION PLAN		
LOCATION	FORMER MEEKER CLEANERS SITE 1301 WEST MEEKER STREET, KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 9/6/17	**DRAWN BY** AM	**REVIEWED BY** EMK	**PROJECT NUMBER** 65112.4

ICHI TERIYAKI

MEEKER CLEANERS
DROP-OFF LOCATION)

B-21

B-11

B-22

B-12

B-13

B-14

B-15

B-15				
DEPTH	DRO	ORO	cis-DCE	VC
2	**500 x**	**500 x**	**1.8**	**0.95**

B-23

ASPHALT PARKING LOT

B-16

B-17

B-17			
DRO	ORO	cis-DCE	VC
550 x	**320 x**	**26**	**21**

B-18

LANDSCAPING

SIDEWALK

W MEEKER ST

B-19

B-20

NOTES:

LIMITS OF 2002 EXCAVATION (SCS ENGINEERS)

APPROXIMATE SOIL BORING LOCATIONS (2015 INVESTIGATION)

GREEN — INDICATES SOIL SAMPLING LOCATION WITH ALL CONTAMINANT CONCENTRATIONS LESS THAN THE APPLICABLE CLEANUP LEVELS

RED — INDICATES SOIL SAMPLING LOCATION WITH ONE OR MORE CONTAMINANT CONCENTRATIONS EXCEEDING THE APPLICABLE CLEANUP LEVELS

SAMPLE IDENTIFICATION

B-17			
DRO	ORO	cis-DCE	VC
550 x	**320 x**	**26**	**21**

BOLD INDICATES COMPOUND WAS DETECTED

X - THE SAMPLE CHROMATOGRAPHIC PATTERN DOES NOT RESEMBLE THE FUEL STANDARD USED FOR QUANTITATION.

SHADED CELL INDICATES THAT COMPOUND WAS DETECTED AT A CONCENTRATION GREATER THAN THE CLEANUP LEVEL

DRO — DIESEL-RANGE ORGANICS
ORO — OIL-RANGE ORGANICS
cis 1,2-DCE — cis 1,2-DICHLOROETHENE
VC — VINYL CHLORIDE

ALL RESULTS PRESENTED IN MICROGRAMS PER LITER (µg/L)

N

0 7.5 15 30

SCALE: 1" = 30'

FIGURE 9
GROUNDWATER SAMPLING LOCATIONS AND ANALYTICAL RESULTS, 2015 INVESTIGATION

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND CLEANUP ACTION PLAN		
LOCATION	FORMER MEEKER CLEANERS SITE 1301 WEST MEEKER STREET, KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 8/31/17	***DRAWN BY*** AM	***REVIEWED BY*** EMK	***PROJECT NUMBER*** 65112.4

NOTES:

- LIMITS OF 2017 EXCAVATION FOR OIL-RANGE ORGANICS (ORO)
- PERFORMANCE SIDEWALL SOIL SAMPLE LOCATION WITH ORO CONCENTRATIONS INDICATED IN MILLIGRAMS PER KILOGRAM (mg/kg)
- PERFORMANCE BOTTOM SOIL SAMPLE LOCATION WITH ORO CONCENTRATIONS INDICATED IN mg/kg
- B-33 — APPROXIMATE SOIL BORING LOCATIONS (2015 INVESTIGATION)
- GREEN — SOIL SAMPLE LOCATIONS (2017 REMEDIAL EXCAVATION) WITH ORO CONCENTRATIONS LESS THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL OF 2,000 mg/kg
- BLUE — FINAL PERFORMANCE SOIL SAMPLE LOCATIONS (2017 REMEDIAL EXCAVATION) WITH ORO CONCENTRATIONS BETWEEN 2,000 AND 4,000 mg/kg, LEFT IN PLACE, SUBJECT TO SITE-WIDE STATISTICAL ANALYSIS
- RED — SOIL SAMPLE LOCATIONS (2017 REMEDIAL EXCAVATION) WITH ORO CONCENTRATIONS EXCEEDING 4,800 mg/kg, EXCAVATED AND REMOVED AS PART OF INTERIM REMEDIAL ACTION
- A / 1 — 10' x 10' SAMPLING GRID
- [E16]-[ESW]:[5.5] — SAMPLE LOCATION; SIDEWALL OR BOTTOM; DEPTH IN FEET

B-11 B-35 B-21 B-31 B-33 B-22 B-12 B-13 B-32 B-34 B-14 B-30 B-15 B-25 B-26 B-27 B-29 B-23 B-24 B-16 B-17 B-28 B-18

K17-NSW-1:4 <250
K15-WSW-1:3.5 <250
K15-B-1:5.5 <250
J18-NSW-1:3 <250
I13-WSW-1:3.5 <250
I17-B-1:5.5 <250
I12-B-1:5 <250
I18-B-1:5 <250
I20-ESW-1:3 <250
H15-B-1:5.5 <250
H18-HYD-N-2:6.5 <250
H18-HYD-N-1:5.5 4,700
G18-HYD-N-1:5 3,000
G18-HYD-W-1:3 <250
G18-HYD-E-1:3 3,300
G12-WSW-1:3.5 2,900
G13-WSW-1:3.5 4,400
F19-ESW-1:3.5 <250
F11-WSW-1:3.5 <250
F14-WSW-1:3.5 6,200
F14-B-1:5.5 <250
F16-B-1:5 <250
F18-B-1:5 <250
F13-B-1:5.5 <250
E12-WSW-1:3.5 5,000
F14-WSW-2:3.5 6,200
E16-B-1:5 <250
D17-ESW-1:4.5 6,600
D18-ESW-1:3 <250
D8-NSW-1:4 <250
D9-NSW-1:3.5 <250
D11-NSW-1:2 <250
C13-ESW-1:2 4,000
D15-WSW-1:4.5 <250
D7-WSW-1:4 <250
D11-B-1:3 <250
D12-ESW-1:2 5,200
C14-ESW-1:2 4,000
C14-ESW-2:2.5 5,900
D16-B-1:5 <250
D17-ESW-2:4.5 4,700
D15-ESW-1:2.5 4,600
C12-B-1:3 <250
C13-ESW-1:2 4,000
C13-B-2:4.5 3,700
C17-ESW-1:4.5 <250
C9-B-1:6 <250
C10-B-1:7 <250
C11-ESW-1:5.5 <250
C12-ESW-1:2 2,400
C14-B-1:5 <250
C16-B-1:5.5 <250
C7-WSW-1:3 2,000
B13-B-1:3.4 4,700
C16-SSW-1:3.5 4,200
B15-ESW-1:2.5 4,100
B9-SSW-1:3 3,700
B10-SSW-1:3.5 <250
B12-SSW-1:2 <250
B14-ESW-1:2 2,200
B14-ESW-2:2 2,100
B17-SSW-1:3.5 3,200
B13-SSW-1:2 2,600
B14-SSW-1:3 4,400
A9-SSW-1:3 <250
A14-SSW-1:3 <250

FORMER MEEKER CLEANERS

ASPHALT PARKING LOT

LANDSCAPING

SIDEWALK

W MEEKER ST

N

0 5 10 20

SCALE: 1" = 20'

FIGURE 10
2017 REMEDIAL EXCAVATION SAMPLING LOCATIONS FOR OIL-RANGE ORGANICS

PREPARED BY	ENVIRONMENTAL PARTNERS INC
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND CLEANUP ACTION PLAN
LOCATION	FORMER MEEKER CLEANERS SITE 1301 WEST MEEKER STREET, KENT, WASHINGTON
PREPARED FOR	MJR DEVELOPMENT

DATE	DRAWN BY	REVIEWED BY	PROJECT NUMBER
8/31/17	AM	EMK	65112.4

NOTES:

- LIMITS OF 2017 EXCAVATION FOR OIL-RANGE ORGANICS (ORO)
- PERFORMANCE SIDEWALL SOIL SAMPLE LOCATION WITH ORO CONCENTRATIONS INDICATED IN MILLIGRAMS PER KILOGRAMS (mg/kg)
- PERFORMANCE BOTTOM SOIL SAMPLE LOCATION WITH ORO CONCENTRATIONS INDICATED IN mg/kg
- B-33 APPROXIMATE SOIL BORING LOCATIONS (2015 INVESTIGATION)
- GREEN: SOIL SAMPLE LOCATIONS (2017 REMEDIAL EXCAVATION) WITH ORO CONCENTRATIONS LESS THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL OF 2,000 mg/kg
- BLUE: SOIL SAMPLE LOCATIONS (2017 REMEDIAL EXCAVATION) WITH ORO CONCENTRATIONS BETWEEN 2,000 AND 4,000 mg/kg
- A A' CROSS-SECTION LOCATION (A-A')

[E16]-[ESW]:[5.5]
SAMPLE LOCATION; SIDEWALL OR BOTTOM; DEPTH IN FEET

A
A'
B-11
B-35
B-21
B-31
B-33
B-22
B-12
B-13
B-32
B-34
B-14
B-30
B-25
B-15
B-26
B-27
B-29
B-23
B-24
B-16
B-17
B-28
B-18
B-19

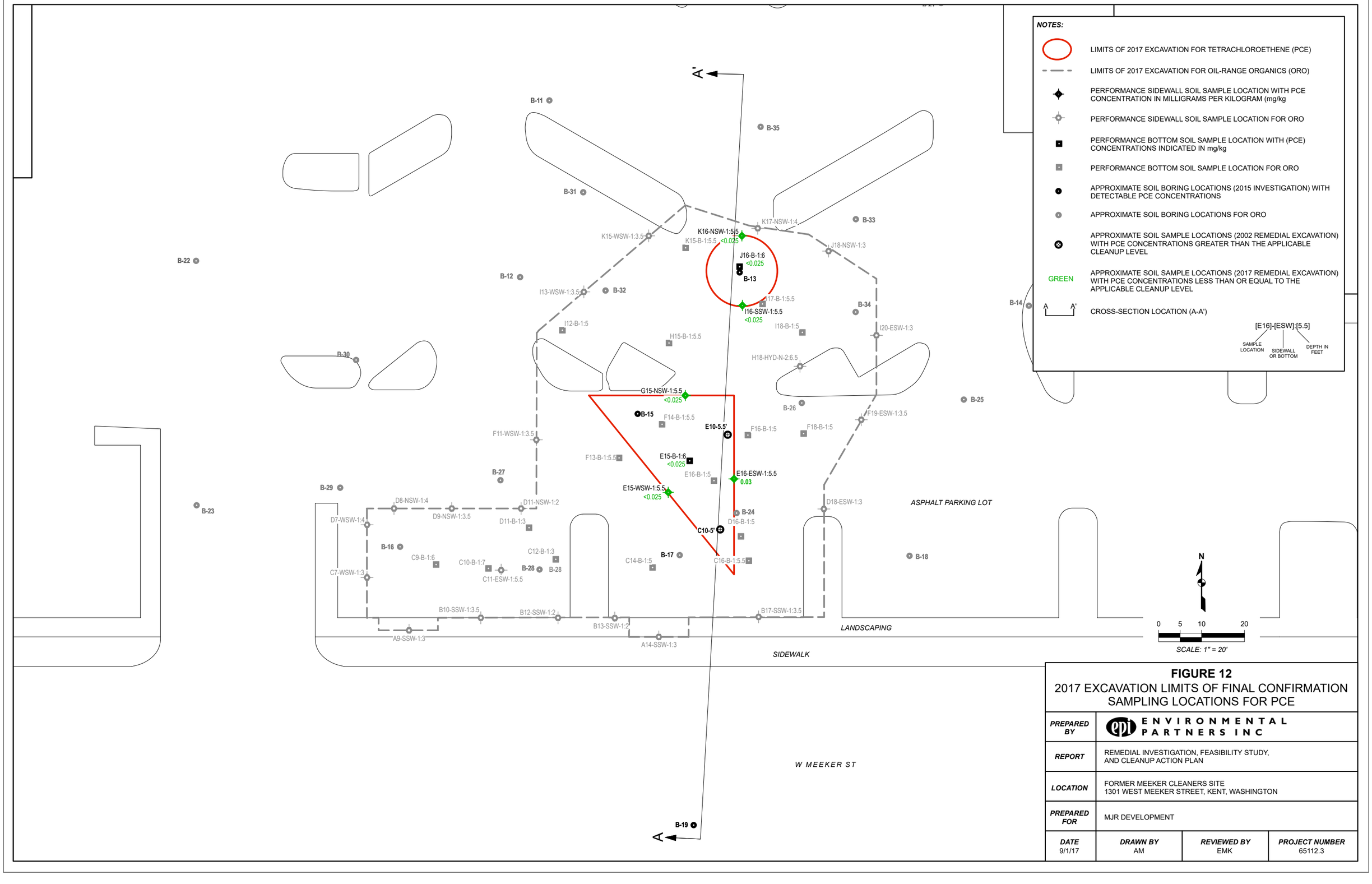
K15-WSW-1:3.5 <250
K15-B-1:5.5 <250
K17-NSW-1:4 <250
J18-NSW-1:3 <250
I13-WSW-1:3.5 <250
I12-B-1:5 <250
H15-B-1:5.5 <250
I17-B-1:5.5 <250
I18-B-1:5 <250
I20-ESW-1:3 <250
H18-HYD-N-2:6.5 <250
F11-WSW-1:3.5 <250
F14-B-1:5.5 <250
F19-ESW-1:3.5 <250
F16-B-1:5 <250
F18-B-1:5 <250
F13-B-1:5.5 <250
E16-B-1:5 <250
D8-NSW-1:4 <250
D11-NSW-1:2 <250
D9-NSW-1:3.5 <250
D11-B-1:3 <250
D18-ESW-1:3 <250
D7-WSW-1:4 <250
D16-B-1:5 <250
C12-B-1:3 <250
C9-B-1:6 <250
C10-B-1:7 <250
C11-ESW-1:5.5 <250
C14-B-1:5 <250
C16-B-1:5.5 <250
C7-WSW-1:3 2,000
B10-SSW-1:3.5 <250
B12-SSW-1:2 <250
B17-SSW-1:3.5 3,200
B13-SSW-1:2 2,600
A9-SSW-1:3 <250
A14-SSW-1:3 <250

FORMER MEEKER CLEANERS
ASPHALT PARKING LOT
LANDSCAPING
SIDEWALK
W MEEKER ST

N
0 5 10 20
SCALE: 1" = 20'

FIGURE 11
2017 EXCAVATION LIMITS WITH FINAL CONFIRMATION SAMPLING LOCATIONS FOR OIL-RANGE ORGANICS

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND CLEANUP ACTION PLAN		
LOCATION	FORMER MEEKER CLEANERS SITE 1301 WEST MEEKER STREET, KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 8/31/17	**DRAWN BY** AM	**REVIEWED BY** EMK	**PROJECT NUMBER** 65112.4



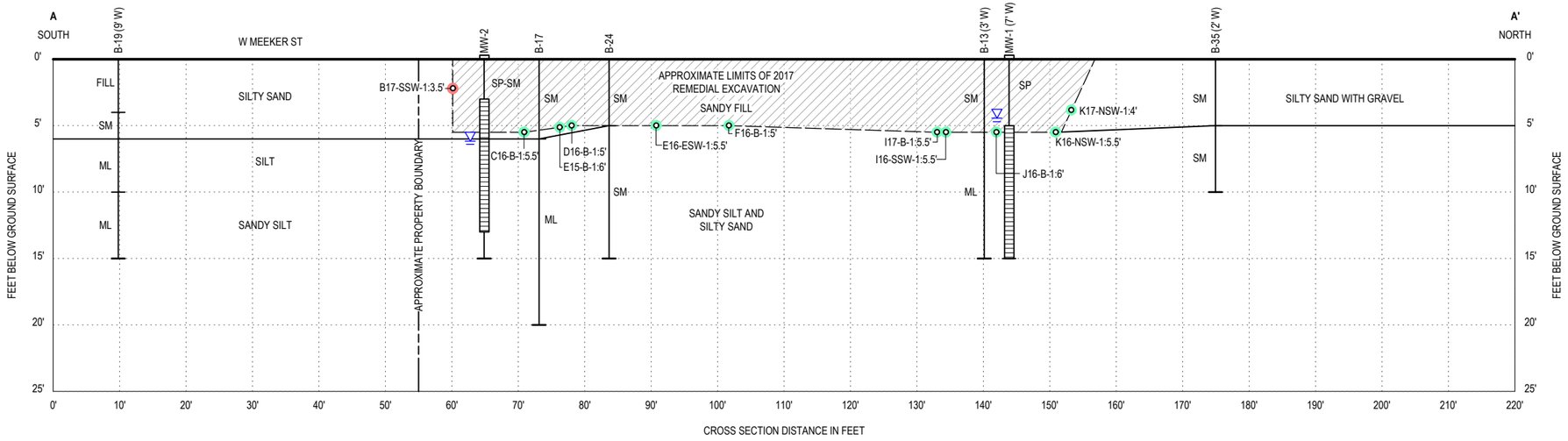
NOTES:

- LIMITS OF 2017 EXCAVATION FOR TETRACHLOROETHENE (PCE)
- LIMITS OF 2017 EXCAVATION FOR OIL-RANGE ORGANICS (ORO)
- PERFORMANCE SIDEWALL SOIL SAMPLE LOCATION WITH PCE CONCENTRATION IN MILLIGRAMS PER KILOGRAM (mg/kg
- PERFORMANCE SIDEWALL SOIL SAMPLE LOCATION FOR ORO
- PERFORMANCE BOTTOM SOIL SAMPLE LOCATION WITH (PCE) CONCENTRATIONS INDICATED IN mg/kg
- PERFORMANCE BOTTOM SOIL SAMPLE LOCATION FOR ORO
- APPROXIMATE SOIL BORING LOCATIONS (2015 INVESTIGATION) WITH DETECTABLE PCE CONCENTRATIONS
- APPROXIMATE SOIL BORING LOCATIONS FOR ORO
- APPROXIMATE SOIL SAMPLE LOCATIONS (2002 REMEDIAL EXCAVATION) WITH PCE CONCENTRATIONS GREATER THAN THE APPLICABLE CLEANUP LEVEL
- GREEN — APPROXIMATE SOIL SAMPLE LOCATIONS (2017 REMEDIAL EXCAVATION) WITH PCE CONCENTRATIONS LESS THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL
- A A' — CROSS-SECTION LOCATION (A-A')

[E16]-[ESW]:[5.5]
SAMPLE LOCATION; SIDEWALL OR BOTTOM; DEPTH IN FEET

FIGURE 12
2017 EXCAVATION LIMITS OF FINAL CONFIRMATION SAMPLING LOCATIONS FOR PCE

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND CLEANUP ACTION PLAN		
LOCATION	FORMER MEEKER CLEANERS SITE 1301 WEST MEEKER STREET, KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 9/1/17	***DRAWN BY*** AM	***REVIEWED BY*** EMK	***PROJECT NUMBER*** 65112.3

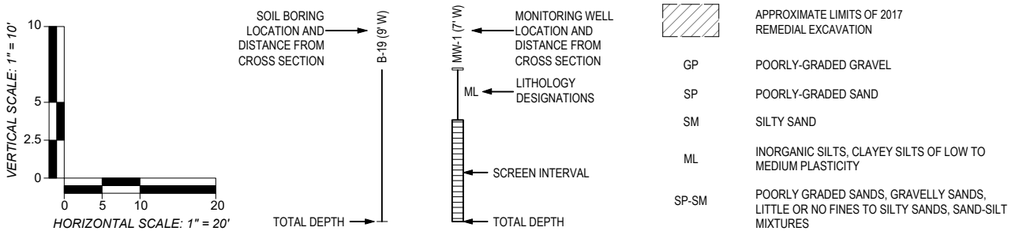


NOTES:

E16-ESW-1:5.5' — SOIL SAMPLE LOCATION (2017 REMEDIAL EXCAVATION) WITH NO CONCENTRATIONS EXCEEDING APPLICABLE CLEANUP LEVELS

B17-SSW-1:3.5' — SOIL SAMPLE LOCATION (2017 REMEDIAL EXCAVATION) WITH OIL-RANGE ORGANICS (ORO) CONCENTRATIONS BETWEEN 2,000 AND 4,000 MILIGRAMS PER KILOGRAM (mg/kg)

APPROXIMATE GROUNDWATER ELEVATION AS MEASURED IN JULY 2017



APPROXIMATE LIMITS OF 2017 REMEDIAL EXCAVATION

GP	POORLY-GRADED GRAVEL
SP	POORLY-GRADED SAND
SM	SILTY SAND
ML	INORGANIC SILTS, CLAYEY SILTS OF LOW TO MEDIUM PLASTICITY
SP-SM	POORLY GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES TO SILTY SANDS, SAND-SILT MIXTURES

FIGURE 13

CROSS SECTION A-A'

PREPARED BY	ENVIRONMENTAL PARTNERS INC
REPORT	INTERIM REMEDIAL ACTION REPORT
LOCATION	FORMER MEEKER CLEANERS SITE 1301 WEST MEEKER STREET, KENT, WASHINGTON
PREPARED FOR	MJR DEVELOPMENT

DATE	***DRAWN BY***	***REVIEWED BY***	***PROJECT NUMBER***
9/1/17	VPB	EMK	65112.4

NOTES:

- MONITORING WELL LOCATION (INSTALLED JULY 2017)
- (93.94) GROUNDWATER ELEVATION MEASURED ON JULY 17, 2017
- 98.2 GROUNDWATER ELEVATION CONTOUR - DASHED WHERE INFERRED, QUERIED WHERE UNCERTAIN
- ESTIMATED GROUNDWATER FLOW DIRECTION

MW-1
(93.94)

93.9

93.8

FORMER
MEEKER CLEANERS

93.7

ASPHALT PARKING LOT

MW-3
(93.56)

93.6

MW-2
(93.55)

93.5

LANDSCAPING

SIDEWALK

W MEEKER ST

N

0 5 10 20

SCALE: 1" = 20'

FIGURE 14

GROUNDWATER ELEVATIONS, JULY 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND CLEANUP ACTION PLAN		
LOCATION	FORMER MEEKER CLEANERS SITE 1301 WEST MEEKER STREET, KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 8/31/17	**DRAWN BY** AM	**REVIEWED BY** EMK	**PROJECT NUMBER** 65112.4

NOTES:

MONITORING WELL LOCATION

SAMPLE IDENTIFICATION

MW-1						
DATE	DRO	ORO	PCE	TCE	CIS	VC
7/12/17	**270***	**470***	<1	<1	<1	<0.2

SAMPLE DATE

BOLD INDICATES COMPOUND WAS DETECTED

* SAMPLE EXTRACTS PASSED THROUGH A SILICA GEL COLUMN PRIOR TO ANALYSIS.

DRO	DIESEL-RANGE ORGANICS
ORO	OIL-RANGE ORGANICS
PCE	TETRACHLOROETHENE
TCE	TRICHLOROETHENE
CIS	cis 1,2-DICHLOROETHENE
VC	VINYL CHLORIDE

ALL RESULTS PRESENTED IN MICROGRAMS PER LITER (µg/L)

FIGURE 15

GROUNDWATER ANALYTICAL RESULTS, JULY 2017

PREPARED BY	ENVIRONMENTAL PARTNERS INC
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND CLEANUP ACTION PLAN
LOCATION	FORMER MEEKER CLEANERS SITE 1301 WEST MEEKER STREET, KENT, WASHINGTON
PREPARED FOR	MJR DEVELOPMENT

DATE	***DRAWN BY***	***REVIEWED BY***	***PROJECT NUMBER***
8/31/17	AM	EMK	65112.4

Attachment A
Copies of Analytical Laboratory Reports

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

Migizi Group, Inc.
Jason Souza
3227 178th St SE
Bothell, WA 98012

RE: Meeker Square
Lab ID: 1408261

September 05, 2014

Attention Jason Souza:

Fremont Analytical, Inc. received 7 sample(s) on 8/28/2014 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Mercury by EPA Method 245.1
Polychlorinated Biphenyls (PCB) by EPA 8082
Semi-Volatile Organic Compounds by EPA Method 8270
Total Metals by EPA Method 200.8
Volatile Organic Compounds by EPA Method 8260

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Chelsea Ward
Project Manager

Date: *09/05/2014*

CLIENT: Migizi Group, Inc.
Project: Meeker Square
Lab Order: 1408261

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1408261-001	MW-1	08/27/2014 12:00 AM	08/28/2014 8:10 AM
1408261-002	MW-2	08/27/2014 12:00 AM	08/28/2014 8:10 AM
1408261-003	MW-3	08/27/2014 12:00 AM	08/28/2014 8:10 AM
1408261-004	OW-1	08/27/2014 12:00 AM	08/28/2014 8:10 AM
1408261-005	OW-2	08/27/2014 12:00 AM	08/28/2014 8:10 AM
1408261-006	OW-3	08/27/2014 12:00 AM	08/28/2014 8:10 AM
1408261-007	TRIP	08/25/2014 10:00 AM	08/28/2014 8:10 AM

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

Case Narrative

WO#: **1408261**
Date: **9/5/2014**

CLIENT: Migizi Group, Inc.
Project: Meeker Square

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Analytical Report

WO#: **1408261**
Date Reported: **9/5/2014**

Client: Migizi Group, Inc. **Collection Date:** 8/27/2014
Project: Meeker Square
Lab ID: 1408261-001 **Matrix:** Water
Client Sample ID: **MW-1**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 8557		Analyst: EC
Diesel (Fuel Oil)	1,350	50.0		µg/L	1	9/2/2014 9:02:00 PM
Heavy Oil	1,780	100		µg/L	1	9/2/2014 9:02:00 PM
Surr: 2-Fluorobiphenyl	75.1	50-150		%REC	1	9/2/2014 9:02:00 PM
Surr: o-Terphenyl	83.2	50-150		%REC	1	9/2/2014 9:02:00 PM
Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID: 8554		Analyst: MD
Phenol	ND	2.00		µg/L	1	9/2/2014 3:20:00 PM
2-Chlorophenol	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
Benzyl alcohol	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	9/2/2014 3:20:00 PM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
Hexachloroethane	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
Nitrobenzene	ND	2.00		µg/L	1	9/2/2014 3:20:00 PM
Isophorone	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
2-Nitrophenol	ND	2.00		µg/L	1	9/2/2014 3:20:00 PM
2,4-Dimethylphenol	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
2,4-Dichlorophenol	ND	2.00		µg/L	1	9/2/2014 3:20:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
Naphthalene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
4-Chloroaniline	ND	5.00		µg/L	1	9/2/2014 3:20:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	9/2/2014 3:20:00 PM
2-Methylnaphthalene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
1-Methylnaphthalene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	9/2/2014 3:20:00 PM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	9/2/2014 3:20:00 PM
2-Chloronaphthalene	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1408261**
Date Reported: **9/5/2014**

Client: Migizi Group, Inc.
Collection Date: 8/27/2014
Project: Meeker Square
Lab ID: 1408261-001
Matrix: Water
Client Sample ID: **MW-1**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID: 8554		Analyst: MD
2-Nitroaniline	ND	5.00		µg/L	1	9/2/2014 3:20:00 PM
Acenaphthene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
Dimethylphthalate	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
Acenaphthylene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
2,4-Dinitrophenol	ND	2.00		µg/L	1	9/2/2014 3:20:00 PM
Dibenzofuran	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
2,4-Dinitrotoluene	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
4-Nitrophenol	ND	5.00		µg/L	1	9/2/2014 3:20:00 PM
Fluorene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
Diethylphthalate	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
4,6-Dinitro-2-methylphenol	ND	5.00		µg/L	1	9/2/2014 3:20:00 PM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
Hexachlorobenzene	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
Pentachlorophenol	ND	2.00		µg/L	1	9/2/2014 3:20:00 PM
Phenanthrene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
Anthracene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
Carbazole	ND	5.00		µg/L	1	9/2/2014 3:20:00 PM
Di-n-butyl phthalate	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
Fluoranthene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
Pyrene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
Benzyl Butylphthalate	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
Benz[a]anthracene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
Chrysene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
Di-n-octyl phthalate	ND	1.00		µg/L	1	9/2/2014 3:20:00 PM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
Benzo[a]pyrene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
Benzo (g,h,I) perylene	ND	0.500		µg/L	1	9/2/2014 3:20:00 PM
Surr: 2,4,6-Tribromophenol	50.6	18-139		%REC	1	9/2/2014 3:20:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1408261**
Date Reported: **9/5/2014**

Client: Migizi Group, Inc. **Collection Date:** 8/27/2014
Project: Meeker Square
Lab ID: 1408261-001 **Matrix:** Water
Client Sample ID: **MW-1**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID: 8554		Analyst: MD
Surr: 2-Fluorobiphenyl	69.8	23.3-118		%REC	1	9/2/2014 3:20:00 PM
Surr: Nitrobenzene-d5	79.9	21.9-139		%REC	1	9/2/2014 3:20:00 PM
Surr: Phenol-d6	9.23	10-103	S	%REC	1	9/2/2014 3:20:00 PM
Surr: p-Terphenyl	99.2	41.3-140		%REC	1	9/2/2014 3:20:00 PM
NOTES:						
S - Laboratory technical control limit for Phenol-d6 is below 10.						
Gasoline by NWTPH-Gx				Batch ID: R16482		Analyst: BC
Gasoline	ND	50.0		µg/L	1	8/28/2014 11:30:00 PM
Surr: Toluene-d8	100	65-135		%REC	1	8/28/2014 11:30:00 PM
Surr: 4-Bromofluorobenzene	96.4	65-135		%REC	1	8/28/2014 11:30:00 PM
Volatile Organic Compounds by EPA Method 8260				Batch ID: R16477		Analyst: BC
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Chloromethane	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Vinyl chloride	ND	0.200		µg/L	1	8/28/2014 11:30:00 PM
Bromomethane	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Chloroethane	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Methylene chloride	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	8/28/2014 11:30:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Chloroform	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Benzene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	8/28/2014 11:30:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1408261**
Date Reported: **9/5/2014**

Client: Migizi Group, Inc.
Collection Date: 8/27/2014
Project: Meeker Square
Lab ID: 1408261-001
Matrix: Water
Client Sample ID: **MW-1**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R16477		Analyst: BC
1,2-Dichloropropane	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Dibromomethane	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Toluene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	8/28/2014 11:30:00 PM
Chlorobenzene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Ethylbenzene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
m,p-Xylene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
o-Xylene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Styrene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Bromoform	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Bromobenzene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	8/28/2014 11:30:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1408261**
Date Reported: **9/5/2014**

Client: Migizi Group, Inc.
Collection Date: 8/27/2014
Project: Meeker Square
Lab ID: 1408261-001
Matrix: Water
Client Sample ID: **MW-1**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R16477		Analyst: BC
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	8/28/2014 11:30:00 PM
Naphthalene	ND	1.00		µg/L	1	8/28/2014 11:30:00 PM
1,2,3-Trichlorobenzene	ND	4.00	*	µg/L	1	8/28/2014 11:30:00 PM
Surr: Dibromofluoromethane	94.0	61.7-130		%REC	1	8/28/2014 11:30:00 PM
Surr: Toluene-d8	96.9	40.1-139		%REC	1	8/28/2014 11:30:00 PM
Surr: 1-Bromo-4-fluorobenzene	94.1	68.2-127		%REC	1	8/28/2014 11:30:00 PM

NOTES:
* - Flagged value is not within established control limits.

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1408261**
Date Reported: **9/5/2014**

Client: Migizi Group, Inc.
Collection Date: 8/27/2014
Project: Meeker Square
Lab ID: 1408261-002
Matrix: Water
Client Sample ID: **MW-2**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 8557		Analyst: EC
Diesel (Fuel Oil)	1,520	50.0		µg/L	1	9/2/2014 9:33:00 PM
Heavy Oil	3,170	100		µg/L	1	9/2/2014 9:33:00 PM
Surr: 2-Fluorobiphenyl	72.6	50-150		%REC	1	9/2/2014 9:33:00 PM
Surr: o-Terphenyl	77.7	50-150		%REC	1	9/2/2014 9:33:00 PM
Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID: 8554		Analyst: MD
Phenol	ND	2.00		µg/L	1	9/2/2014 3:43:00 PM
2-Chlorophenol	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
Benzyl alcohol	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	9/2/2014 3:43:00 PM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
Hexachloroethane	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
Nitrobenzene	ND	2.00		µg/L	1	9/2/2014 3:43:00 PM
Isophorone	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
2-Nitrophenol	ND	2.00		µg/L	1	9/2/2014 3:43:00 PM
2,4-Dimethylphenol	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
2,4-Dichlorophenol	ND	2.00		µg/L	1	9/2/2014 3:43:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
Naphthalene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
4-Chloroaniline	ND	5.00		µg/L	1	9/2/2014 3:43:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	9/2/2014 3:43:00 PM
2-Methylnaphthalene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
1-Methylnaphthalene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	9/2/2014 3:43:00 PM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	9/2/2014 3:43:00 PM
2-Chloronaphthalene	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1408261**
Date Reported: **9/5/2014**

Client: Migizi Group, Inc.
Collection Date: 8/27/2014
Project: Meeker Square
Lab ID: 1408261-002
Matrix: Water
Client Sample ID: **MW-2**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID: 8554		Analyst: MD
2-Nitroaniline	ND	5.00		µg/L	1	9/2/2014 3:43:00 PM
Acenaphthene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
Dimethylphthalate	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
Acenaphthylene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
2,4-Dinitrophenol	ND	2.00		µg/L	1	9/2/2014 3:43:00 PM
Dibenzofuran	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
2,4-Dinitrotoluene	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
4-Nitrophenol	ND	5.00		µg/L	1	9/2/2014 3:43:00 PM
Fluorene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
Diethylphthalate	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
4,6-Dinitro-2-methylphenol	ND	5.00		µg/L	1	9/2/2014 3:43:00 PM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
Hexachlorobenzene	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
Pentachlorophenol	ND	2.00		µg/L	1	9/2/2014 3:43:00 PM
Phenanthrene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
Anthracene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
Carbazole	ND	5.00		µg/L	1	9/2/2014 3:43:00 PM
Di-n-butyl phthalate	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
Fluoranthene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
Pyrene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
Benzyl Butylphthalate	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
Benz[a]anthracene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
Chrysene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
Di-n-octyl phthalate	ND	1.00		µg/L	1	9/2/2014 3:43:00 PM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
Benzo[a]pyrene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
Benzo (g,h,I) perylene	ND	0.500		µg/L	1	9/2/2014 3:43:00 PM
Surr: 2,4,6-Tribromophenol	48.7	18-139		%REC	1	9/2/2014 3:43:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1408261**
Date Reported: **9/5/2014**

Client: Migizi Group, Inc. **Collection Date:** 8/27/2014
Project: Meeker Square
Lab ID: 1408261-002 **Matrix:** Water
Client Sample ID: **MW-2**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID: 8554		Analyst: MD
Surr: 2-Fluorobiphenyl	75.1	23.3-118		%REC	1	9/2/2014 3:43:00 PM
Surr: Nitrobenzene-d5	87.4	21.9-139		%REC	1	9/2/2014 3:43:00 PM
Surr: Phenol-d6	10.2	10-103		%REC	1	9/2/2014 3:43:00 PM
Surr: p-Terphenyl	106	41.3-140		%REC	1	9/2/2014 3:43:00 PM
Gasoline by NWTPH-Gx				Batch ID: R16482		Analyst: BC
Gasoline	ND	50.0		µg/L	1	8/28/2014 11:58:00 PM
Surr: Toluene-d8	95.6	65-135		%REC	1	8/28/2014 11:58:00 PM
Surr: 4-Bromofluorobenzene	96.6	65-135		%REC	1	8/28/2014 11:58:00 PM
Volatile Organic Compounds by EPA Method 8260				Batch ID: R16477		Analyst: BC
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Chloromethane	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Vinyl chloride	4.45	0.200		µg/L	1	8/28/2014 11:58:00 PM
Bromomethane	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Chloroethane	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Methylene chloride	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	8/28/2014 11:58:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Chloroform	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Benzene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	8/28/2014 11:58:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1408261**
Date Reported: **9/5/2014**

Client: Migizi Group, Inc.
Collection Date: 8/27/2014
Project: Meeker Square
Lab ID: 1408261-002
Matrix: Water
Client Sample ID: **MW-2**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R16477		Analyst: BC
Dibromomethane	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Toluene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	8/28/2014 11:58:00 PM
Chlorobenzene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Ethylbenzene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
m,p-Xylene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
o-Xylene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Styrene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Bromoform	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Bromobenzene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	8/28/2014 11:58:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	8/28/2014 11:58:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1408261**
Date Reported: **9/5/2014**

Client: Migizi Group, Inc.
Collection Date: 8/27/2014
Project: Meeker Square
Lab ID: 1408261-002
Matrix: Water
Client Sample ID: **MW-2**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R16477		Analyst: BC
Naphthalene	ND	1.00		µg/L	1	8/28/2014 11:58:00 PM
1,2,3-Trichlorobenzene	ND	4.00	*	µg/L	1	8/28/2014 11:58:00 PM
Surr: Dibromofluoromethane	99.5	61.7-130		%REC	1	8/28/2014 11:58:00 PM
Surr: Toluene-d8	96.6	40.1-139		%REC	1	8/28/2014 11:58:00 PM
Surr: 1-Bromo-4-fluorobenzene	95.1	68.2-127		%REC	1	8/28/2014 11:58:00 PM

NOTES:
* - Flagged value is not within established control limits.

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1408261**
Date Reported: **9/5/2014**

Client: Migizi Group, Inc.
Collection Date: 8/27/2014
Project: Meeker Square
Lab ID: 1408261-003
Matrix: Water
Client Sample ID: **MW-3**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 8557		Analyst: EC
Diesel (Fuel Oil)	ND	50.0		µg/L	1	9/2/2014 10:35:00 PM
Heavy Oil	234	100		µg/L	1	9/2/2014 10:35:00 PM
Surr: 2-Fluorobiphenyl	58.1	50-150		%REC	1	9/2/2014 10:35:00 PM
Surr: o-Terphenyl	79.2	50-150		%REC	1	9/2/2014 10:35:00 PM
Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID: 8554		Analyst: MD
Phenol	ND	2.00		µg/L	1	9/2/2014 4:28:00 PM
2-Chlorophenol	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
Benzyl alcohol	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
Bis(2-chloroethyl) ether	ND	2.00		µg/L	1	9/2/2014 4:28:00 PM
2-Methylphenol (o-cresol)	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
Hexachloroethane	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
N-Nitrosodi-n-propylamine	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
Nitrobenzene	ND	2.00		µg/L	1	9/2/2014 4:28:00 PM
Isophorone	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
4-Methylphenol (p-cresol)	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
2-Nitrophenol	ND	2.00		µg/L	1	9/2/2014 4:28:00 PM
2,4-Dimethylphenol	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
Bis(2-chloroethoxy)methane	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
2,4-Dichlorophenol	ND	2.00		µg/L	1	9/2/2014 4:28:00 PM
1,2,4-Trichlorobenzene	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
Naphthalene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
4-Chloroaniline	ND	5.00		µg/L	1	9/2/2014 4:28:00 PM
Hexachlorobutadiene	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
4-Chloro-3-methylphenol	ND	5.00		µg/L	1	9/2/2014 4:28:00 PM
2-Methylnaphthalene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
1-Methylnaphthalene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
Hexachlorocyclopentadiene	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
2,4,6-Trichlorophenol	ND	2.00		µg/L	1	9/2/2014 4:28:00 PM
2,4,5-Trichlorophenol	ND	2.00		µg/L	1	9/2/2014 4:28:00 PM
2-Chloronaphthalene	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1408261**
Date Reported: **9/5/2014**

Client: Migizi Group, Inc.
Collection Date: 8/27/2014
Project: Meeker Square
Lab ID: 1408261-003
Matrix: Water
Client Sample ID: **MW-3**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID: 8554		Analyst: MD
2-Nitroaniline	ND	5.00		µg/L	1	9/2/2014 4:28:00 PM
Acenaphthene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
Dimethylphthalate	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
2,6-Dinitrotoluene	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
Acenaphthylene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
2,4-Dinitrophenol	ND	2.00		µg/L	1	9/2/2014 4:28:00 PM
Dibenzofuran	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
2,4-Dinitrotoluene	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
4-Nitrophenol	ND	5.00		µg/L	1	9/2/2014 4:28:00 PM
Fluorene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
4-Chlorophenyl phenyl ether	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
Diethylphthalate	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
4,6-Dinitro-2-methylphenol	ND	5.00		µg/L	1	9/2/2014 4:28:00 PM
4-Bromophenyl phenyl ether	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
Hexachlorobenzene	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
Pentachlorophenol	ND	2.00		µg/L	1	9/2/2014 4:28:00 PM
Phenanthrene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
Anthracene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
Carbazole	ND	5.00		µg/L	1	9/2/2014 4:28:00 PM
Di-n-butyl phthalate	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
Fluoranthene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
Pyrene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
Benzyl Butylphthalate	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
bis(2-Ethylhexyl)adipate	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
Benz[a]anthracene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
Chrysene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
Bis(2-ethylhexyl) phthalate	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
Di-n-octyl phthalate	ND	1.00		µg/L	1	9/2/2014 4:28:00 PM
Benzo (b) fluoranthene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
Benzo (k) fluoranthene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
Benzo[a]pyrene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
Indeno (1,2,3-cd) pyrene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
Dibenzo (a,h) anthracene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
Benzo (g,h,I) perylene	ND	0.500		µg/L	1	9/2/2014 4:28:00 PM
Surr: 2,4,6-Tribromophenol	106	18-139		%REC	1	9/2/2014 4:28:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1408261**
Date Reported: **9/5/2014**

Client: Migizi Group, Inc. **Collection Date:** 8/27/2014
Project: Meeker Square
Lab ID: 1408261-003 **Matrix:** Water
Client Sample ID: **MW-3**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Semi-Volatile Organic Compounds by EPA Method 8270				Batch ID: 8554		Analyst: MD
Surr: 2-Fluorobiphenyl	74.3	23.3-118		%REC	1	9/2/2014 4:28:00 PM
Surr: Nitrobenzene-d5	90.6	21.9-139		%REC	1	9/2/2014 4:28:00 PM
Surr: Phenol-d6	18.8	10-103		%REC	1	9/2/2014 4:28:00 PM
Surr: p-Terphenyl	102	41.3-140		%REC	1	9/2/2014 4:28:00 PM
Gasoline by NWTPH-Gx				Batch ID: R16482		Analyst: BC
Gasoline	ND	50.0		µg/L	1	8/29/2014 12:26:00 AM
Surr: Toluene-d8	98.7	65-135		%REC	1	8/29/2014 12:26:00 AM
Surr: 4-Bromofluorobenzene	96.9	65-135		%REC	1	8/29/2014 12:26:00 AM
Volatile Organic Compounds by EPA Method 8260				Batch ID: R16477		Analyst: BC
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Chloromethane	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Vinyl chloride	0.870	0.200		µg/L	1	8/29/2014 12:26:00 AM
Bromomethane	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Chloroethane	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Methylene chloride	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
trans-1,2-Dichloroethene	1.03	1.00		µg/L	1	8/29/2014 12:26:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
2,2-Dichloropropane	ND	2.00		µg/L	1	8/29/2014 12:26:00 AM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Chloroform	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Carbon tetrachloride	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Benzene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	8/29/2014 12:26:00 AM
1,2-Dichloropropane	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Bromodichloromethane	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1408261**
Date Reported: **9/5/2014**

Client: Migizi Group, Inc.
Collection Date: 8/27/2014
Project: Meeker Square
Lab ID: 1408261-003
Matrix: Water
Client Sample ID: **MW-3**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R16477		Analyst: BC
Dibromomethane	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Toluene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Dibromochloromethane	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	8/29/2014 12:26:00 AM
Chlorobenzene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Ethylbenzene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
m,p-Xylene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
o-Xylene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Styrene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Isopropylbenzene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Bromoform	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
n-Propylbenzene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Bromobenzene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
2-Chlorotoluene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
4-Chlorotoluene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
tert-Butylbenzene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	8/29/2014 12:26:00 AM
sec-Butylbenzene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
4-Isopropyltoluene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
n-Butylbenzene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
Hexachlorobutadiene	ND	4.00		µg/L	1	8/29/2014 12:26:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1408261**
Date Reported: **9/5/2014**

Client: Migizi Group, Inc.
Collection Date: 8/27/2014
Project: Meeker Square
Lab ID: 1408261-003
Matrix: Water
Client Sample ID: **MW-3**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R16477		Analyst: BC
Naphthalene	ND	1.00		µg/L	1	8/29/2014 12:26:00 AM
1,2,3-Trichlorobenzene	ND	4.00	*	µg/L	1	8/29/2014 12:26:00 AM
Surr: Dibromofluoromethane	99.3	61.7-130		%REC	1	8/29/2014 12:26:00 AM
Surr: Toluene-d8	97.3	40.1-139		%REC	1	8/29/2014 12:26:00 AM
Surr: 1-Bromo-4-fluorobenzene	95.5	68.2-127		%REC	1	8/29/2014 12:26:00 AM

NOTES:
* - Flagged value is not within established control limits.

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1408261**
Date Reported: **9/5/2014**

Client: Migizi Group, Inc.
Collection Date: 8/25/2014 10:00:00 AM
Project: Meeker Square
Lab ID: 1408261-007
Matrix: Water
Client Sample ID: **TRIP**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R16477		Analyst: BC
Dichlorodifluoromethane (CFC-12)	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Chloromethane	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Vinyl chloride	ND	0.200		µg/L	1	8/28/2014 4:59:00 PM
Bromomethane	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Trichlorofluoromethane (CFC-11)	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Chloroethane	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,1-Dichloroethene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Methylene chloride	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
trans-1,2-Dichloroethene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Methyl tert-butyl ether (MTBE)	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,1-Dichloroethane	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
2,2-Dichloropropane	ND	2.00		µg/L	1	8/28/2014 4:59:00 PM
cis-1,2-Dichloroethene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Chloroform	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,1,1-Trichloroethane (TCA)	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,1-Dichloropropene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Carbon tetrachloride	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,2-Dichloroethane (EDC)	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Benzene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	8/28/2014 4:59:00 PM
1,2-Dichloropropane	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Bromodichloromethane	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Dibromomethane	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
cis-1,3-Dichloropropene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Toluene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
trans-1,3-Dichloropropene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,1,2-Trichloroethane	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,3-Dichloropropane	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Tetrachloroethene (PCE)	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Dibromochloromethane	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,2-Dibromoethane (EDB)	ND	0.0600		µg/L	1	8/28/2014 4:59:00 PM
Chlorobenzene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,1,1,2-Tetrachloroethane	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Ethylbenzene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
m,p-Xylene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Analytical Report

WO#: **1408261**
Date Reported: **9/5/2014**

Client: Migizi Group, Inc.
Collection Date: 8/25/2014 10:00:00 AM
Project: Meeker Square
Lab ID: 1408261-007
Matrix: Water
Client Sample ID: **TRIP**

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Volatile Organic Compounds by EPA Method 8260				Batch ID: R16477		Analyst: BC
o-Xylene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Styrene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Isopropylbenzene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Bromoform	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,1,2,2-Tetrachloroethane	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
n-Propylbenzene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Bromobenzene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,3,5-Trimethylbenzene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
2-Chlorotoluene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
4-Chlorotoluene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
tert-Butylbenzene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,2,3-Trichloropropane	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,2,4-Trichlorobenzene	ND	2.00		µg/L	1	8/28/2014 4:59:00 PM
sec-Butylbenzene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
4-Isopropyltoluene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,3-Dichlorobenzene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,4-Dichlorobenzene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
n-Butylbenzene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,2-Dichlorobenzene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,2-Dibromo-3-chloropropane	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,2,4-Trimethylbenzene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
Hexachlorobutadiene	ND	4.00		µg/L	1	8/28/2014 4:59:00 PM
Naphthalene	ND	1.00		µg/L	1	8/28/2014 4:59:00 PM
1,2,3-Trichlorobenzene	ND	4.00	*	µg/L	1	8/28/2014 4:59:00 PM
Surr: Dibromofluoromethane	95.8	61.7-130		%REC	1	8/28/2014 4:59:00 PM
Surr: Toluene-d8	99.0	40.1-139		%REC	1	8/28/2014 4:59:00 PM
Surr: 1-Bromo-4-fluorobenzene	94.8	68.2-127		%REC	1	8/28/2014 4:59:00 PM

NOTES:
* - Flagged value is not within established control limits.

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **MB-8553**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **8/28/2014**	RunNo: **16472**
Client ID: **MBLKW**	Batch ID: **8553**		Analysis Date: **8/28/2014**	SeqNo: **331525**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.00									
Barium	ND	0.500									
Cadmium	ND	0.200									
Chromium	ND	0.500									
Lead	ND	1.00									
Selenium	ND	1.00									
Silver	ND	0.200									

Sample ID: **LCS-8553**	SampType: **LCS**	Units: **µg/L**	Prep Date: **8/28/2014**	RunNo: **16472**
Client ID: **LCSW**	Batch ID: **8553**		Analysis Date: **8/28/2014**	SeqNo: **331526**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	95.4	1.00	100.0	0	95.4	85	115				
Barium	96.2	0.500	100.0	0	96.2	85	115				
Cadmium	4.99	0.200	5.000	0	99.9	85	115				
Chromium	104	0.500	100.0	0	104	85	115				
Lead	50.2	1.00	50.00	0	100	85	115				
Selenium	10.9	1.00	10.00	0	109	85	115				
Silver	4.65	0.200	5.000	0	92.9	85	115				

Sample ID: **1408261-004DDUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **8/28/2014**	RunNo: **16472**
Client ID: **OW-1**	Batch ID: **8553**		Analysis Date: **8/28/2014**	SeqNo: **331528**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	2.98	1.00						4.144	32.7	30	R
Barium	20.1	0.500						18.31	9.30	30	
Cadmium	ND	0.200						0		30	
Chromium	0.892	0.500						1.744	64.7	30	R

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **1408261-004DDUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16472**
Client ID: **OW-1** Batch ID: **8553** Analysis Date: **8/28/2014** SeqNo: **331528**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	1.00						0		30	
Selenium	ND	1.00						0		30	
Silver	ND	0.200						0		30	

NOTES:
R - High RPD observed. The method is in control as indicated by the laboratory control sample (LCS).

Sample ID: **1408261-004DMS** SampType: **MS** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16472**
Client ID: **OW-1** Batch ID: **8553** Analysis Date: **8/28/2014** SeqNo: **331529**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	480	1.00	500.0	4.144	95.2	70	130				
Barium	516	0.500	500.0	18.31	99.5	70	130				
Cadmium	25.8	0.200	25.00	0.04800	103	70	130				
Chromium	513	0.500	500.0	1.744	102	70	130				
Lead	241	1.00	250.0	0.07950	96.6	70	130				
Selenium	52.0	1.00	50.00	0	104	70	130				
Silver	22.2	0.200	25.00	0	88.7	70	130				

Sample ID: **1408261-004DMSD** SampType: **MSD** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16472**
Client ID: **OW-1** Batch ID: **8553** Analysis Date: **8/28/2014** SeqNo: **331530**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	489	1.00	500.0	4.144	97.0	70	130	480.2	1.80	30	
Barium	511	0.500	500.0	18.31	98.5	70	130	515.8	0.959	30	
Cadmium	25.2	0.200	25.00	0.04800	101	70	130	25.82	2.24	30	
Chromium	536	0.500	500.0	1.744	107	70	130	513.2	4.31	30	
Lead	250	1.00	250.0	0.07950	100	70	130	241.5	3.47	30	
Selenium	54.1	1.00	50.00	0	108	70	130	51.98	4.09	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Date: *9/5/2014*

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Total Metals by EPA Method 200.8

Sample ID: **1408261-004DMSD** SampType: **MSD** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16472**
Client ID: **OW-1** Batch ID: **8553** Analysis Date: **8/28/2014** SeqNo: **331530**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Silver	22.5	0.200	25.00	0	89.8	70	130	22.17	1.26	30	

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Date: *9/5/2014*

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Mercury by EPA Method 245.1

Sample ID: **MB-8573**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **8/29/2014**	RunNo: **16492**
Client ID: **MBLKW**	Batch ID: **8573**		Analysis Date: **8/29/2014**	SeqNo: **331818**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100									

Sample ID: **LCS-8573**	SampType: **LCS**	Units: **µg/L**	Prep Date: **8/29/2014**	RunNo: **16492**
Client ID: **LCSW**	Batch ID: **8573**		Analysis Date: **8/29/2014**	SeqNo: **331819**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.60	0.100	2.500	0	104	85	115				

Sample ID: **1408273-001ADUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **8/29/2014**	RunNo: **16492**
Client ID: **BATCH**	Batch ID: **8573**		Analysis Date: **8/29/2014**	SeqNo: **331821**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.100						0		20	

Sample ID: **1408273-001AMS**	SampType: **MS**	Units: **µg/L**	Prep Date: **8/29/2014**	RunNo: **16492**
Client ID: **BATCH**	Batch ID: **8573**		Analysis Date: **8/29/2014**	SeqNo: **331822**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.68	0.100	2.500	0	107	80	120				

Sample ID: **1408273-001AMSD**	SampType: **MSD**	Units: **µg/L**	Prep Date: **8/29/2014**	RunNo: **16492**
Client ID: **BATCH**	Batch ID: **8573**		Analysis Date: **8/29/2014**	SeqNo: **331823**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	2.57	0.100	2.500	0	103	80	120	2.680	4.19	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Date: *9/5/2014*

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **LCS-8557**	SampType: **LCS**			Units: **µg/L**		Prep Date: **8/29/2014**		RunNo: **16530**			
Client ID: **LCSW**	Batch ID: **8557**					Analysis Date: **9/2/2014**		SeqNo: **332608**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	1,010	50.0	1,000	0	101	65	135				
Surr: 2-Fluorobiphenyl	58.8		80.00		73.5	50	150				
Surr: o-Terphenyl	68.7		80.00		85.9	50	150				

Sample ID: **MB-8557**	SampType: **MBLK**			Units: **µg/L**		Prep Date: **8/29/2014**		RunNo: **16530**			
Client ID: **MBLKW**	Batch ID: **8557**					Analysis Date: **9/2/2014**		SeqNo: **332609**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Surr: 2-Fluorobiphenyl	47.7		80.00		59.7	50	150				
Surr: o-Terphenyl	63.7		80.00		79.6	50	150				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Date: *9/5/2014*

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **CCV PCB-C-8422**	SampType: **CCV**			Units: **%REC**		Prep Date: **9/3/2014**		RunNo: **16538**		
Client ID: **CCV**	Batch ID: **R16538**					Analysis Date: **9/3/2014**		SeqNo: **332837**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	52.3		50.00		105	54.3	143				
Surr: Tetrachloro-m-xylene	44.4		50.00		88.8	64.9	133				

Sample ID: **1408261-006EMS**	SampType: **MS**			Units: **µg/L**		Prep Date: **8/28/2014**		RunNo: **16538**		
Client ID: **OW-3**	Batch ID: **8422**					Analysis Date: **9/3/2014**		SeqNo: **332838**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.82	0.200	2.000	0	90.8	45.5	118				
Aroclor 1260	1.93	0.200	2.000	0	96.7	50.8	129				
Surr: Decachlorobiphenyl	278		200.0		139	45.1	140				
Surr: Tetrachloro-m-xylene	212		200.0		106	30.1	116				

Sample ID: **CCV PCB-D-8422**	SampType: **CCV**			Units: **%REC**		Prep Date: **9/3/2014**		RunNo: **16538**		
Client ID: **CCV**	Batch ID: **R16538**					Analysis Date: **9/3/2014**		SeqNo: **332839**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	51.6		50.00		103	54.3	143				
Surr: Tetrachloro-m-xylene	46.0		50.00		91.9	64.9	133				

Sample ID: **LCS-8422**	SampType: **LCS**			Units: **µg/L**		Prep Date: **8/28/2014**		RunNo: **16538**		
Client ID: **LCSW**	Batch ID: **8422**					Analysis Date: **9/2/2014**		SeqNo: **332842**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.28	0.200	2.000	0	63.8	38.2	129				
Aroclor 1260	1.55	0.200	2.000	0	77.4	43.3	126				
Surr: Decachlorobiphenyl	367		200.0		183	45.1	140				S
Surr: Tetrachloro-m-xylene	184		200.0		91.8	30.1	116				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Polychlorinated Biphenyls (PCB) by EPA 8082

Sample ID: **LCS-8422**	SampType: **LCS**	Units: **µg/L**	Prep Date: **8/28/2014**	RunNo: **16538**
Client ID: **LCSW**	Batch ID: **8422**		Analysis Date: **9/2/2014**	SeqNo: **332842**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:
S - Surrogate outside recovery limits. Minimum method criterion of one surrogate within established recovery limits was met.

Sample ID: **LCSD-8422**	SampType: **LCSD**	Units: **µg/L**	Prep Date: **8/28/2014**	RunNo: **16538**
Client ID: **LCSW02**	Batch ID: **8422**		Analysis Date: **9/2/2014**	SeqNo: **332843**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	1.59	0.200	2.000	0	79.6	38.2	129	1.275	22.1	30	
Aroclor 1260	2.06	0.200	2.000	0	103	43.3	126	1.548	28.5	30	
Surr: Decachlorobiphenyl	398		200.0		199	45.1	140		0		S
Surr: Tetrachloro-m-xylene	214		200.0		107	30.1	116		0		

NOTES:
S - Surrogate outside recovery limits. Minimum method criterion of one surrogate within established recovery limits was met.

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: **MB-8554** SampType: **MBLK** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16587**
Client ID: **MBLKW** Batch ID: **8554** Analysis Date: **9/2/2014** SeqNo: **333615**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	2.00									
2-Chlorophenol	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
Benzyl alcohol	ND	1.00									
Bis(2-chloroethyl) ether	ND	2.00									
2-Methylphenol (o-cresol)	ND	1.00									
Hexachloroethane	ND	1.00									
N-Nitrosodi-n-propylamine	ND	1.00									
Nitrobenzene	ND	2.00									
Isophorone	ND	1.00									
4-Methylphenol (p-cresol)	ND	1.00									
2-Nitrophenol	ND	2.00									
2,4-Dimethylphenol	ND	1.00									
Bis(2-chloroethoxy)methane	ND	1.00									
2,4-Dichlorophenol	ND	2.00									
1,2,4-Trichlorobenzene	ND	1.00									
Naphthalene	ND	0.500									
4-Chloroaniline	ND	5.00									
Hexachlorobutadiene	ND	1.00									
4-Chloro-3-methylphenol	ND	5.00									
2-Methylnaphthalene	ND	0.500									
1-Methylnaphthalene	ND	0.500									
Hexachlorocyclopentadiene	ND	1.00									
2,4,6-Trichlorophenol	ND	2.00									
2,4,5-Trichlorophenol	ND	2.00									
2-Chloronaphthalene	ND	1.00									
2-Nitroaniline	ND	5.00									

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: **MB-8554** SampType: **MBLK** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16587**
Client ID: **MBLKW** Batch ID: **8554** Analysis Date: **9/2/2014** SeqNo: **333615**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.500									
Dimethylphthalate	ND	1.00									
2,6-Dinitrotoluene	ND	1.00									
Acenaphthylene	ND	0.500									
2,4-Dinitrophenol	ND	2.00									
Dibenzofuran	ND	1.00									
2,4-Dinitrotoluene	ND	1.00									
4-Nitrophenol	ND	5.00									
Fluorene	ND	0.500									
4-Chlorophenyl phenyl ether	ND	1.00									
Diethylphthalate	ND	1.00									
4,6-Dinitro-2-methylphenol	ND	5.00									
4-Bromophenyl phenyl ether	ND	1.00									
Hexachlorobenzene	ND	1.00									
Pentachlorophenol	ND	2.00									
Phenanthrene	ND	0.500									
Anthracene	ND	0.500									
Carbazole	ND	5.00									
Di-n-butyl phthalate	ND	1.00									
Fluoranthene	ND	0.500									
Pyrene	ND	0.500									
Benzyl Butylphthalate	ND	1.00									
bis(2-Ethylhexyl)adipate	ND	1.00									
Benz[a]anthracene	ND	0.500									
Chrysene	ND	0.500									
Bis(2-ethylhexyl) phthalate	ND	1.00									
Di-n-octyl phthalate	ND	1.00									
Benzo (b) fluoranthene	ND	0.500									
Benzo (k) fluoranthene	ND	0.500									

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: **MB-8554**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **8/28/2014**	RunNo: **16587**
Client ID: **MBLKW**	Batch ID: **8554**		Analysis Date: **9/2/2014**	SeqNo: **333615**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo[a]pyrene	ND	0.500									
Indeno (1,2,3-cd) pyrene	ND	0.500									
Dibenzo (a,h) anthracene	ND	0.500									
Benzo (g,h,I) perylene	ND	0.500									
Surr: 2,4,6-Tribromophenol	2.24		8.000		28.0	18	139				
Surr: 2-Fluorobiphenyl	1.98		4.000		49.6	23.3	118				
Surr: Nitrobenzene-d5	2.43		4.000		60.7	21.9	139				
Surr: Phenol-d6	0.641		8.000		8.01	10	103				S
Surr: p-Terphenyl	2.81		4.000		70.3	41.3	140				

NOTES:
S - Laboratory technical control limit for Phenol-d6 is below 10.

Sample ID: **LCS-8554**	SampType: **LCS**	Units: **µg/L**	Prep Date: **8/28/2014**	RunNo: **16587**
Client ID: **LCSW**	Batch ID: **8554**		Analysis Date: **9/2/2014**	SeqNo: **333616**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	0.814	2.00	4.000	0	20.4	16.3	115				
2-Chlorophenol	2.06	1.00	4.000	0	51.5	25	112				
1,3-Dichlorobenzene	2.33	1.00	4.000	0	58.4	25	108				
1,4-Dichlorobenzene	2.33	1.00	4.000	0	58.4	25	110				
1,2-Dichlorobenzene	2.36	1.00	4.000	0	59.1	25	109				
Benzyl alcohol	3.30	1.00	4.000	0	82.4	20	96.5				
Bis(2-chloroethyl) ether	2.80	2.00	4.000	0	69.9	25	111				
2-Methylphenol (o-cresol)	1.77	1.00	4.000	0	44.3	25	101				
Hexachloroethane	2.32	1.00	4.000	0	57.9	25	109				
N-Nitrosodi-n-propylamine	3.22	1.00	4.000	0	80.5	25	122				
Nitrobenzene	2.46	2.00	4.000	0	61.5	25	110				
Isophorone	2.89	1.00	4.000	0	72.4	25	126				
4-Methylphenol (p-cresol)	0.884	1.00	2.000	0	44.2	25	113				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: **LCS-8554** SampType: **LCS** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16587**
Client ID: **LCSW** Batch ID: **8554** Analysis Date: **9/2/2014** SeqNo: **333616**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Nitrophenol	2.16	2.00	4.000	0	53.9	25	126				
2,4-Dimethylphenol	2.80	1.00	4.000	0	69.9	25	124				
Bis(2-chloroethoxy)methane	2.96	1.00	4.000	0	74.1	25	121				
2,4-Dichlorophenol	2.84	2.00	4.000	0	71.0	29.1	110				
1,2,4-Trichlorobenzene	2.44	1.00	4.000	0	60.9	25	113				
Naphthalene	2.69	0.500	4.000	0	67.2	25	115				
4-Chloroaniline	3.81	5.00	4.000	0	95.1	25	136				
Hexachlorobutadiene	2.11	1.00	4.000	0	52.7	25	111				
4-Chloro-3-methylphenol	3.56	5.00	4.000	0	88.9	32.3	122				
2-Methylnaphthalene	3.10	0.500	4.000	0	77.5	25	119				
1-Methylnaphthalene	3.08	0.500	4.000	0	77.0	25	117				
Hexachlorocyclopentadiene	1.75	1.00	4.000	0	43.7	25	125				
2,4,6-Trichlorophenol	2.97	2.00	4.000	0	74.2	25	133				
2,4,5-Trichlorophenol	3.24	2.00	4.000	0	81.1	25	125				
2-Chloronaphthalene	2.66	1.00	4.000	0	66.6	25	121				
2-Nitroaniline	3.46	5.00	4.000	0	86.5	25	121				
Acenaphthene	3.29	0.500	4.000	0	82.2	25	120				
Dimethylphthalate	3.02	1.00	4.000	0	75.6	25	133				
2,6-Dinitrotoluene	2.76	1.00	4.000	0	69.1	25	131				
Acenaphthylene	3.27	0.500	4.000	0	81.8	25	128				
2,4-Dinitrophenol	0.779	2.00	4.000	0	19.5	12.9	110				
Dibenzofuran	3.72	1.00	4.000	0	93.1	25	121				
2,4-Dinitrotoluene	2.89	1.00	4.000	0	72.4	25	132				
4-Nitrophenol	3.52	5.00	4.000	0	88.0	20	106				
Fluorene	3.64	0.500	4.000	0	91.0	25	127				
4-Chlorophenyl phenyl ether	3.02	1.00	4.000	0	75.5	25	124				
Diethylphthalate	3.40	1.00	4.000	0	85.0	31.3	142				
4,6-Dinitro-2-methylphenol	1.67	5.00	4.000	0	41.7	16.1	109				
4-Bromophenyl phenyl ether	3.01	1.00	4.000	0	75.2	25	130				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: **LCS-8554** SampType: **LCS** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16587**
Client ID: **LCSW** Batch ID: **8554** Analysis Date: **9/2/2014** SeqNo: **333616**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	2.78	1.00	4.000	0	69.5	29	120				
Pentachlorophenol	1.68	2.00	4.000	0	42.1	20	137				
Phenanthrene	3.62	0.500	4.000	0	90.5	34	125				
Anthracene	3.63	0.500	4.000	0	90.6	27.7	134				
Di-n-butyl phthalate	3.87	1.00	4.000	0	96.7	62	158				
Fluoranthene	3.93	0.500	4.000	0	98.3	34.8	143				
Pyrene	4.04	0.500	4.000	0	101	35.5	140				
Benzyl Butylphthalate	4.18	1.00	4.000	0	104	51.4	144				
Benz[a]anthracene	2.75	0.500	4.000	0	68.7	27.2	132				
Chrysene	3.73	0.500	4.000	0	93.3	39.5	123				
Bis(2-ethylhexyl) phthalate	4.47	1.00	4.000	0	112	44.7	180				
Di-n-octyl phthalate	4.07	1.00	4.000	0	102	52.8	164				
Benzo (b) fluoranthene	3.07	0.500	4.000	0	76.7	37.8	123				
Benzo (k) fluoranthene	3.29	0.500	4.000	0	82.2	25	144				
Benzo[a]pyrene	3.27	0.500	4.000	0	81.8	24.9	125				
Indeno (1,2,3-cd) pyrene	2.39	0.500	4.000	0	59.6	25	127				
Dibenzo (a,h) anthracene	2.26	0.500	4.000	0	56.6	25	132				
Benzo (g,h,I) perylene	2.39	0.500	4.000	0	59.8	25	133				
Surr: 2,4,6-Tribromophenol	3.54		4.000		88.5	18	139				
Surr: 2-Fluorobiphenyl	2.58		4.000		64.5	23.3	118				
Surr: Nitrobenzene-d5	3.22		4.000		80.6	21.9	139				
Surr: Phenol-d6	0.699		4.000		17.5	10	103				
Surr: p-Terphenyl	3.88		4.000		97.0	41.3	140				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: **1408261-002BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16587**
Client ID: **MW-2** Batch ID: **8554** Analysis Date: **9/2/2014** SeqNo: **333619**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	2.00						0		50	
2-Chlorophenol	ND	1.00						0		50	
1,3-Dichlorobenzene	ND	1.00						0		50	
1,4-Dichlorobenzene	ND	1.00						0		50	
1,2-Dichlorobenzene	ND	1.00						0		50	
Benzyl alcohol	ND	1.00						0		50	
Bis(2-chloroethyl) ether	ND	2.00						0		50	
2-Methylphenol (o-cresol)	ND	1.00						0		50	
Hexachloroethane	ND	1.00						0		50	
N-Nitrosodi-n-propylamine	ND	1.00						0		50	
Nitrobenzene	ND	2.00						0		50	
Isophorone	ND	1.00						0		50	
4-Methylphenol (p-cresol)	ND	1.00						0		50	
2-Nitrophenol	ND	2.00						0		50	
2,4-Dimethylphenol	ND	1.00						0		50	
Bis(2-chloroethoxy)methane	ND	1.00						0		50	
2,4-Dichlorophenol	ND	2.00						0		50	
1,2,4-Trichlorobenzene	ND	1.00						0		50	
Naphthalene	ND	0.500						0		50	
4-Chloroaniline	ND	5.00						0		50	
Hexachlorobutadiene	ND	1.00						0		50	
4-Chloro-3-methylphenol	ND	5.00						0		50	
2-Methylnaphthalene	ND	0.500						0		50	
1-Methylnaphthalene	ND	0.500						0		50	
Hexachlorocyclopentadiene	ND	1.00						0		50	
2,4,6-Trichlorophenol	ND	2.00						0		50	
2,4,5-Trichlorophenol	ND	2.00						0		50	
2-Chloronaphthalene	ND	1.00						0		50	
2-Nitroaniline	ND	5.00						0		50	

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: **1408261-002BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16587**
Client ID: **MW-2** Batch ID: **8554** Analysis Date: **9/2/2014** SeqNo: **333619**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	ND	0.500						0		50	
Dimethylphthalate	ND	1.00						0		50	
2,6-Dinitrotoluene	ND	1.00						0		50	
Acenaphthylene	ND	0.500						0		50	
2,4-Dinitrophenol	ND	2.00						0		50	
Dibenzofuran	ND	1.00						0		50	
2,4-Dinitrotoluene	ND	1.00						0		50	
4-Nitrophenol	ND	5.00						0		50	
Fluorene	ND	0.500						0		50	
4-Chlorophenyl phenyl ether	ND	1.00						0		50	
Diethylphthalate	ND	1.00						0		50	
4,6-Dinitro-2-methylphenol	ND	5.00						0		50	
4-Bromophenyl phenyl ether	ND	1.00						0		50	
Hexachlorobenzene	ND	1.00						0		50	
Pentachlorophenol	ND	2.00						0		50	
Phenanthrene	ND	0.500						0		50	
Anthracene	ND	0.500						0		50	
Carbazole	ND	5.00						0		50	
Di-n-butyl phthalate	ND	1.00						0		50	
Fluoranthene	ND	0.500						0		50	
Pyrene	ND	0.500						0		50	
Benzyl Butylphthalate	ND	1.00						0		50	
bis(2-Ethylhexyl)adipate	ND	1.00						0		50	
Benz[a]anthracene	ND	0.500						0		50	
Chrysene	ND	0.500						0		50	
Bis(2-ethylhexyl) phthalate	ND	1.00						0		50	
Di-n-octyl phthalate	ND	1.00						0		50	
Benzo (b) fluoranthene	ND	0.500						0		50	
Benzo (k) fluoranthene	ND	0.500						0		50	

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: **1408261-002BDUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16587**
Client ID: **MW-2** Batch ID: **8554** Analysis Date: **9/2/2014** SeqNo: **333619**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo[a]pyrene	ND	0.500						0		50	
Indeno (1,2,3-cd) pyrene	ND	0.500						0		50	
Dibenzo (a,h) anthracene	ND	0.500						0		50	
Benzo (g,h,I) perylene	ND	0.500						0		50	
Surr: 2,4,6-Tribromophenol	4.19		8.000		52.4	18	139		0		
Surr: 2-Fluorobiphenyl	2.97		4.000		74.4	23.3	118		0		
Surr: Nitrobenzene-d5	3.64		4.000		91.0	21.9	139		0		
Surr: Phenol-d6	0.783		8.000		9.79	10	103		0		S
Surr: p-Terphenyl	4.02		4.000		100	41.3	140		0		

NOTES:
S - Laboratory technical control limit for Phenol-d6 is below 10.

Sample ID: **1408261-005BMS** SampType: **MS** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16587**
Client ID: **OW-2** Batch ID: **8554** Analysis Date: **9/2/2014** SeqNo: **333625**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	ND	2.00	4.000	0	27.7	10	78.2				
2-Chlorophenol	2.64	1.00	4.000	0	66.1	25	106				
1,3-Dichlorobenzene	2.94	1.00	4.000	0	73.4	25.5	103				
1,4-Dichlorobenzene	2.93	1.00	4.000	0	73.3	25.6	104				
1,2-Dichlorobenzene	3.02	1.00	4.000	0	75.5	26.1	105				
Benzyl alcohol	4.21	1.00	4.000	0	105	20	96.8				S
Bis(2-chloroethyl) ether	3.57	2.00	4.000	0	89.3	25	110				
2-Methylphenol (o-cresol)	2.49	1.00	4.000	0	62.2	25.1	95.8				
Hexachloroethane	3.04	1.00	4.000	0	75.9	25	106				
N-Nitrosodi-n-propylamine	3.68	1.00	4.000	0	91.9	25.5	116				
Nitrobenzene	2.74	2.00	4.000	0	68.6	30.5	105				
Isophorone	3.24	1.00	4.000	0	81.0	25	121				
4-Methylphenol (p-cresol)	1.29	1.00	2.000	0	64.5	25	106				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: **1408261-005BMS** SampType: **MS** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16587**
Client ID: **OW-2** Batch ID: **8554** Analysis Date: **9/2/2014** SeqNo: **333625**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Nitrophenol	2.87	2.00	4.000	0	71.7	25	123				
2,4-Dimethylphenol	3.97	1.00	4.000	0	99.3	25	123				
Bis(2-chloroethoxy)methane	3.81	1.00	4.000	0	95.2	25.4	116				
2,4-Dichlorophenol	3.75	2.00	4.000	0	93.8	34.3	110				
1,2,4-Trichlorobenzene	3.17	1.00	4.000	0	79.3	25	110				
Naphthalene	3.17	0.500	4.000	0	79.3	25	131				
4-Chloroaniline	ND	5.00	4.000	0	86.0	25	130				
Hexachlorobutadiene	2.80	1.00	4.000	0	70.0	25	105				
4-Chloro-3-methylphenol	5.09	5.00	4.000	0	127	36.3	120				S
2-Methylnaphthalene	3.58	0.500	4.000	0	89.6	25	119				
1-Methylnaphthalene	3.81	0.500	4.000	0	95.3	25.3	117				
Hexachlorocyclopentadiene	2.58	1.00	4.000	0	64.4	25	114				
2,4,6-Trichlorophenol	3.58	2.00	4.000	0	89.4	25	131				
2,4,5-Trichlorophenol	2.46	2.00	4.000	0	61.5	25	122				
2-Chloronaphthalene	3.30	1.00	4.000	0	82.6	27.3	115				
2-Nitroaniline	ND	5.00	4.000	0	93.3	27.9	114				
Acenaphthene	3.58	0.500	4.000	0	89.5	25	136				
Dimethylphthalate	3.07	1.00	4.000	0	76.8	31	128				
2,6-Dinitrotoluene	2.84	1.00	4.000	0	71.1	26.9	125				
Acenaphthylene	3.67	0.500	4.000	0	91.6	26.8	122				
2,4-Dinitrophenol	ND	2.00	4.000	0	48.5	25	148				
Dibenzofuran	4.44	1.00	4.000	0	111	27.8	116				
2,4-Dinitrotoluene	3.04	1.00	4.000	0	75.9	25	123				
4-Nitrophenol	ND	5.00	4.000	0	96.4	20	109				
Fluorene	4.04	0.500	4.000	0	101	25	131				
4-Chlorophenyl phenyl ether	3.57	1.00	4.000	0	89.3	28.9	119				
Diethylphthalate	3.53	1.00	4.000	0	88.2	36.6	136				
4,6-Dinitro-2-methylphenol	ND	5.00	4.000	0	59.2	25	136				
4-Bromophenyl phenyl ether	3.58	1.00	4.000	0	89.5	30.2	124				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Semi-Volatile Organic Compounds by EPA Method 8270

Sample ID: **1408261-005BMS** SampType: **MS** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16587**
Client ID: **OW-2** Batch ID: **8554** Analysis Date: **9/2/2014** SeqNo: **333625**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorobenzene	3.28	1.00	4.000	0	82.1	34.6	114				
Pentachlorophenol	4.41	2.00	4.000	0	110	25	145				
Phenanthrene	3.75	0.500	4.000	0	93.8	26	139				
Anthracene	3.85	0.500	4.000	0	96.3	34.5	129				
Carbazole	ND	5.00	4.000	0	0	36.7	143				S
Di-n-butyl phthalate	3.87	1.00	4.000	0.2969	89.4	39.7	149				
Fluoranthene	4.06	0.500	4.000	0	101	39.3	141				
Pyrene	4.15	0.500	4.000	0	104	40.9	137				
Benzyl Butylphthalate	4.46	1.00	4.000	0	111	50.5	139				
Benz[a]anthracene	3.13	0.500	4.000	0	78.2	34.2	124				
Chrysene	3.80	0.500	4.000	0	95.1	44.6	116				
Bis(2-ethylhexyl) phthalate	4.36	1.00	4.000	0.4466	97.9	39.9	143				
Di-n-octyl phthalate	4.80	1.00	4.000	0	120	37.5	163				
Benzo (b) fluoranthene	3.51	0.500	4.000	0	87.7	40.7	116				
Benzo (k) fluoranthene	3.24	0.500	4.000	0	80.9	25.5	135				
Benzo[a]pyrene	3.86	0.500	4.000	0	96.5	25	120				
Indeno (1,2,3-cd) pyrene	3.43	0.500	4.000	0	85.7	25	121				
Dibenzo (a,h) anthracene	3.44	0.500	4.000	0	86.1	25	125				
Benzo (g,h,I) perylene	3.28	0.500	4.000	0	82.1	25	124				
Surr: 2,4,6-Tribromophenol	4.16		8.000		52.0	18	139				
Surr: 2-Fluorobiphenyl	3.33		4.000		83.4	23.3	118				
Surr: Nitrobenzene-d5	4.15		4.000		104	21.9	139				
Surr: Phenol-d6	0.900		8.000		11.2	10	103				
Surr: p-Terphenyl	4.60		4.000		115	41.3	140				

NOTES:

S - Outlying QC recoveries were associated with this sample. The method is in control as indicated by the LCS.

Date: *9/5/2014*

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Gasoline by NWTPH-Gx

Sample ID: **1408264-001ADUP**	SampType: **DUP**	Units: **µg/L**	Prep Date: **8/28/2014**	RunNo: **16482**
Client ID: **BATCH**	Batch ID: **R16482**		Analysis Date: **8/28/2014**	SeqNo: **331712**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0						0		30	
Surr: Toluene-d8	50.3		50.00		101	65	135		0	0	
Surr: 4-Bromofluorobenzene	50.8		50.00		102	65	135		0	0	

Sample ID: **LCS-R16482**	SampType: **LCS**	Units: **µg/L**	Prep Date: **8/28/2014**	RunNo: **16482**
Client ID: **LCSW**	Batch ID: **R16482**		Analysis Date: **8/28/2014**	SeqNo: **331716**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	575	50.0	500.0	0	115	65	135				
Surr: Toluene-d8	49.4		50.00		98.9	65	135				
Surr: 4-Bromofluorobenzene	48.3		50.00		96.6	65	135				

Sample ID: **MB-R16482**	SampType: **MBLK**	Units: **µg/L**	Prep Date: **8/28/2014**	RunNo: **16482**
Client ID: **MBLKW**	Batch ID: **R16482**		Analysis Date: **8/28/2014**	SeqNo: **331717**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	50.0									
Surr: Toluene-d8	50.2		50.00		100	65	135				
Surr: 4-Bromofluorobenzene	48.2		50.00		96.4	65	135				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **LCS-R16477** SampType: **LCS** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16477**
Client ID: **LCSW** Batch ID: **R16477** Analysis Date: **8/28/2014** SeqNo: **331579**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	16.2	1.00	20.00	0	80.9	43	136				
Chloromethane	19.8	1.00	20.00	0	98.8	43.9	139				
Vinyl chloride	21.0	0.200	20.00	0	105	53.6	139				
Bromomethane	24.4	1.00	20.00	0	122	44.8	148				
Trichlorofluoromethane (CFC-11)	22.2	1.00	20.00	0	111	63.7	133				
Chloroethane	20.0	1.00	20.00	0	99.9	53	141				
1,1-Dichloroethene	21.6	1.00	20.00	0	108	65.6	136				
Methylene chloride	21.8	1.00	20.00	0	109	67.1	131				
trans-1,2-Dichloroethene	21.1	1.00	20.00	0	106	71.7	129				
Methyl tert-butyl ether (MTBE)	19.8	1.00	20.00	0	99.2	67.7	131				
1,1-Dichloroethane	21.6	1.00	20.00	0	108	67.9	134				
2,2-Dichloropropane	23.2	2.00	20.00	0	116	33.7	152				
cis-1,2-Dichloroethene	22.1	1.00	20.00	0	110	71.1	130				
Chloroform	20.8	1.00	20.00	0	104	76.7	124				
1,1,1-Trichloroethane (TCA)	21.5	1.00	20.00	0	108	71	131				
1,1-Dichloropropene	22.2	1.00	20.00	0	111	74.5	126				
Carbon tetrachloride	22.0	1.00	20.00	0	110	66.2	134				
1,2-Dichloroethane (EDC)	21.1	1.00	20.00	0	106	70	129				
Benzene	22.0	1.00	20.00	0	110	73.1	126				
Trichloroethene (TCE)	22.0	0.500	20.00	0	110	65.2	136				
1,2-Dichloropropane	21.1	1.00	20.00	0	105	70.5	130				
Bromodichloromethane	21.5	1.00	20.00	0	108	74.6	127				
Dibromomethane	20.8	1.00	20.00	0	104	75.5	126				
cis-1,3-Dichloropropene	21.4	1.00	20.00	0	107	62.6	137				
Toluene	21.2	1.00	20.00	0	106	61.3	145				
trans-1,3-Dichloropropene	20.5	1.00	20.00	0	103	58.5	142				
1,1,2-Trichloroethane	19.2	1.00	20.00	0	96.2	76	124				
1,3-Dichloropropane	21.1	1.00	20.00	0	106	73.5	127				
Tetrachloroethene (PCE)	21.9	1.00	20.00	0	109	47.5	147				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **LCS-R16477** SampType: **LCS** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16477**
Client ID: **LCSW** Batch ID: **R16477** Analysis Date: **8/28/2014** SeqNo: **331579**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	20.5	1.00	20.00	0	102	67.2	134				
1,2-Dibromoethane (EDB)	21.0	0.0600	20.00	0	105	73.6	125				
Chlorobenzene	23.0	1.00	20.00	0	115	73.9	126				
1,1,1,2-Tetrachloroethane	22.0	1.00	20.00	0	110	76.8	124				
Ethylbenzene	22.7	1.00	20.00	0	114	72	130				
m,p-Xylene	46.5	1.00	40.00	0	116	73	131				
o-Xylene	23.0	1.00	20.00	0	115	72.1	131				
Styrene	22.1	1.00	20.00	0	110	64.3	140				
Isopropylbenzene	23.0	1.00	20.00	0	115	73.9	128				
Bromoform	22.7	1.00	20.00	0	114	63.8	135				
1,1,2,2-Tetrachloroethane	20.2	1.00	20.00	0	101	62.9	132				
n-Propylbenzene	22.8	1.00	20.00	0	114	74.5	127				
Bromobenzene	21.4	1.00	20.00	0	107	71	131				
1,3,5-Trimethylbenzene	22.4	1.00	20.00	0	112	73.1	128				
2-Chlorotoluene	22.0	1.00	20.00	0	110	70.8	130				
4-Chlorotoluene	22.2	1.00	20.00	0	111	70.1	131				
tert-Butylbenzene	22.7	1.00	20.00	0	113	68.2	131				
1,2,3-Trichloropropane	20.5	1.00	20.00	0	102	67.7	131				
1,2,4-Trichlorobenzene	16.6	2.00	20.00	0	83.3	72.4	127				
sec-Butylbenzene	22.1	1.00	20.00	0	110	72	129				
4-Isopropyltoluene	22.7	1.00	20.00	0	113	69.2	130				
1,3-Dichlorobenzene	22.6	1.00	20.00	0	113	72.4	129				
1,4-Dichlorobenzene	22.4	1.00	20.00	0	112	70.6	128				
n-Butylbenzene	22.7	1.00	20.00	0	114	73.8	127				
1,2-Dichlorobenzene	21.3	1.00	20.00	0	107	74.2	129				
1,2-Dibromo-3-chloropropane	16.6	1.00	20.00	0	82.9	63.1	136				
1,2,4-Trimethylbenzene	22.1	1.00	20.00	0	110	73.4	127				
Hexachlorobutadiene	22.3	4.00	20.00	0	112	58.6	138				
Naphthalene	14.1	1.00	20.00	0	70.6	62	136				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **LCS-R16477** SampType: **LCS** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16477**
Client ID: **LCSW** Batch ID: **R16477** Analysis Date: **8/28/2014** SeqNo: **331579**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichlorobenzene	13.0	4.00	20.00	0	65.3	66.4	132				S
Surr: Dibromofluoromethane	48.8		50.00		97.5	61.7	130				
Surr: Toluene-d8	48.3		50.00		96.6	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	45.5		50.00		91.1	68.2	127				

NOTES:
S - Outlying QC recoveries were observed (1,2,3-Ttrichlorobenzene; low bias). The following samples will be qualified with an *.

Sample ID: **MB-R16477** SampType: **MBLK** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16477**
Client ID: **MBLKW** Batch ID: **R16477** Analysis Date: **8/28/2014** SeqNo: **331580**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00									
Chloromethane	ND	1.00									
Vinyl chloride	ND	0.200									
Bromomethane	ND	1.00									
Trichlorofluoromethane (CFC-11)	ND	1.00									
Chloroethane	ND	1.00									
1,1-Dichloroethene	ND	1.00									
Methylene chloride	ND	1.00									
trans-1,2-Dichloroethene	ND	1.00									
Methyl tert-butyl ether (MTBE)	ND	1.00									
1,1-Dichloroethane	ND	1.00									
2,2-Dichloropropane	ND	2.00									
cis-1,2-Dichloroethene	ND	1.00									
Chloroform	ND	1.00									
1,1,1-Trichloroethane (TCA)	ND	1.00									
1,1-Dichloropropene	ND	1.00									
Carbon tetrachloride	ND	1.00									
1,2-Dichloroethane (EDC)	ND	1.00									

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **MB-R16477** SampType: **MBLK** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16477**
Client ID: **MBLKW** Batch ID: **R16477** Analysis Date: **8/28/2014** SeqNo: **331580**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	1.00									
Trichloroethene (TCE)	ND	0.500									
1,2-Dichloropropane	ND	1.00									
Bromodichloromethane	ND	1.00									
Dibromomethane	ND	1.00									
cis-1,3-Dichloropropene	ND	1.00									
Toluene	ND	1.00									
trans-1,3-Dichloropropene	ND	1.00									
1,1,2-Trichloroethane	ND	1.00									
1,3-Dichloropropane	ND	1.00									
Tetrachloroethene (PCE)	ND	1.00									
Dibromochloromethane	ND	1.00									
1,2-Dibromoethane (EDB)	ND	0.0600									
Chlorobenzene	ND	1.00									
1,1,1,2-Tetrachloroethane	ND	1.00									
Ethylbenzene	ND	1.00									
m,p-Xylene	ND	1.00									
o-Xylene	ND	1.00									
Styrene	ND	1.00									
Isopropylbenzene	ND	1.00									
Bromoform	ND	1.00									
1,1,2,2-Tetrachloroethane	ND	1.00									
n-Propylbenzene	ND	1.00									
Bromobenzene	ND	1.00									
1,3,5-Trimethylbenzene	ND	1.00									
2-Chlorotoluene	ND	1.00									
4-Chlorotoluene	ND	1.00									
tert-Butylbenzene	ND	1.00									
1,2,3-Trichloropropane	ND	1.00									

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **MB-R16477** SampType: **MBLK** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16477**
Client ID: **MBLKW** Batch ID: **R16477** Analysis Date: **8/28/2014** SeqNo: **331580**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	2.00									
sec-Butylbenzene	ND	1.00									
4-Isopropyltoluene	ND	1.00									
1,3-Dichlorobenzene	ND	1.00									
1,4-Dichlorobenzene	ND	1.00									
n-Butylbenzene	ND	1.00									
1,2-Dichlorobenzene	ND	1.00									
1,2-Dibromo-3-chloropropane	ND	1.00									
1,2,4-Trimethylbenzene	ND	1.00									
Hexachlorobutadiene	ND	4.00									
Naphthalene	ND	1.00									
1,2,3-Trichlorobenzene	ND	4.00									*
Surr: Dibromofluoromethane	47.8		50.00		95.6	61.7	130				
Surr: Toluene-d8	48.4		50.00		96.7	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	47.2		50.00		94.4	68.2	127				

NOTES:
* - Flagged value is not within established control limits.

Sample ID: **1408258-005AMS** SampType: **MS** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16477**
Client ID: **BATCH** Batch ID: **R16477** Analysis Date: **8/28/2014** SeqNo: **331659**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	11.1	1.00	20.00	0	55.4	33.3	122				
Chloromethane	18.8	1.00	20.00	0.2000	93.1	48.2	145				
Vinyl chloride	20.1	0.200	20.00	0	100	58.1	158				
Bromomethane	23.7	1.00	20.00	0.4100	116	31.5	135				
Trichlorofluoromethane (CFC-11)	23.3	1.00	20.00	0	116	54.7	138				
Chloroethane	22.0	1.00	20.00	0	110	49.9	143				
1,1-Dichloroethene	22.0	1.00	20.00	0	110	63	141				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1408258-005AMS** SampType: **MS** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16477**
Client ID: **BATCH** Batch ID: **R16477** Analysis Date: **8/28/2014** SeqNo: **331659**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Methylene chloride	22.9	1.00	20.00	0	114	61.6	135				
trans-1,2-Dichloroethene	23.3	1.00	20.00	0	117	63.5	138				
Methyl tert-butyl ether (MTBE)	22.2	1.00	20.00	0	111	60.9	132				
1,1-Dichloroethane	23.8	1.00	20.00	0	119	67.8	136				
2,2-Dichloropropane	22.1	2.00	20.00	0	110	31.5	121				
cis-1,2-Dichloroethene	23.7	1.00	20.00	0	118	67.1	123				
Chloroform	22.9	1.00	20.00	0	114	66.7	136				
1,1,1-Trichloroethane (TCA)	23.2	1.00	20.00	0.3700	114	64.2	146				
1,1-Dichloropropene	24.4	1.00	20.00	0	122	73.8	136				
Carbon tetrachloride	23.4	1.00	20.00	0	117	62.7	146				
1,2-Dichloroethane (EDC)	22.9	1.00	20.00	0	114	63.4	137				
Benzene	24.2	1.00	20.00	0	121	65.4	138				
Trichloroethene (TCE)	23.6	0.500	20.00	0	118	60.4	134				
1,2-Dichloropropane	23.8	1.00	20.00	0	119	62.6	138				
Bromodichloromethane	23.6	1.00	20.00	0	118	59.4	139				
Dibromomethane	23.8	1.00	20.00	0	119	63.6	139				
cis-1,3-Dichloropropene	22.9	1.00	20.00	0	115	63.8	132				
Toluene	23.4	1.00	20.00	0	117	64	139				
trans-1,3-Dichloropropene	21.6	1.00	20.00	0	108	57.7	125				
1,1,2-Trichloroethane	22.6	1.00	20.00	0	113	59.4	127				
1,3-Dichloropropane	22.7	1.00	20.00	0	114	64.3	135				
Tetrachloroethene (PCE)	23.8	1.00	20.00	0	119	50.3	133				
Dibromochloromethane	23.6	1.00	20.00	0	118	61.6	139				
1,2-Dibromoethane (EDB)	22.7	0.0600	20.00	0	113	63.2	134				
Chlorobenzene	24.5	1.00	20.00	0	123	65.8	134				
1,1,1,2-Tetrachloroethane	24.4	1.00	20.00	0.1400	121	65.4	135				
Ethylbenzene	24.5	1.00	20.00	0	123	64.5	136				
m,p-Xylene	50.7	1.00	40.00	0	127	63.3	135				
o-Xylene	23.3	1.00	20.00	0	117	65.4	134				

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1408258-005AMS** SampType: **MS** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16477**
Client ID: **BATCH** Batch ID: **R16477** Analysis Date: **8/28/2014** SeqNo: **331659**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Styrene	23.3	1.00	20.00	0.3000	115	59.1	134				
Isopropylbenzene	24.9	1.00	20.00	0	125	56	147				
Bromoform	23.2	1.00	20.00	0	116	57.7	139				
1,1,2,2-Tetrachloroethane	23.4	1.00	20.00	0	117	59.8	146				
n-Propylbenzene	24.4	1.00	20.00	0	122	57.6	142				
Bromobenzene	22.2	1.00	20.00	0	111	63.6	130				
1,3,5-Trimethylbenzene	23.8	1.00	20.00	0.3000	118	59.9	136				
2-Chlorotoluene	24.0	1.00	20.00	0	120	61.7	134				
4-Chlorotoluene	24.0	1.00	20.00	0	120	58.4	134				
tert-Butylbenzene	23.6	1.00	20.00	0	118	66.8	141				
1,2,3-Trichloropropane	23.5	1.00	20.00	0	118	62.4	129				
1,2,4-Trichlorobenzene	19.2	2.00	20.00	0.8600	91.8	50.9	133				
sec-Butylbenzene	23.6	1.00	20.00	0.2000	117	56	146				
4-Isopropyltoluene	23.1	1.00	20.00	0.1300	115	56.4	136				
1,3-Dichlorobenzene	22.6	1.00	20.00	0.2400	112	58.2	128				
1,4-Dichlorobenzene	23.0	1.00	20.00	0.1600	114	60.1	123				
n-Butylbenzene	22.6	1.00	20.00	0.2700	112	54.6	135				
1,2-Dichlorobenzene	22.5	1.00	20.00	0.1500	112	65.4	133				
1,2-Dibromo-3-chloropropane	20.7	1.00	20.00	0	104	51.8	142				
1,2,4-Trimethylbenzene	23.4	1.00	20.00	0.1500	116	63.7	132				
Hexachlorobutadiene	20.8	4.00	20.00	0.3900	102	58.1	130				
Naphthalene	17.8	1.00	20.00	3.000	74.0	54.5	132				
1,2,3-Trichlorobenzene	16.4	4.00	20.00	3.370	65.4	57	131				*
Surr: Dibromofluoromethane	49.7		50.00		99.4	61.7	130				
Surr: Toluene-d8	50.0		50.00		100	40.1	139				
Surr: 1-Bromo-4-fluorobenzene	48.9		50.00		97.8	68.2	127				

NOTES:
* - Flagged value is not within established control limits.

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1408264-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16477**
Client ID: **BATCH** Batch ID: **R16477** Analysis Date: **8/28/2014** SeqNo: **331673**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	1.00						0		30	
Chloromethane	ND	1.00						0		30	
Vinyl chloride	ND	0.200						0		30	
Bromomethane	ND	1.00						0		30	
Trichlorofluoromethane (CFC-11)	ND	1.00						0		30	
Chloroethane	ND	1.00						0		30	
1,1-Dichloroethene	ND	1.00						0		30	
Methylene chloride	ND	1.00						0		30	
trans-1,2-Dichloroethene	ND	1.00						0		30	
Methyl tert-butyl ether (MTBE)	ND	1.00						0		30	
1,1-Dichloroethane	ND	1.00						0		30	
2,2-Dichloropropane	ND	2.00						0		30	
cis-1,2-Dichloroethene	ND	1.00						0		30	
Chloroform	ND	1.00						0		30	
1,1,1-Trichloroethane (TCA)	ND	1.00						0		30	
1,1-Dichloropropene	ND	1.00						0		30	
Carbon tetrachloride	ND	1.00						0		30	
1,2-Dichloroethane (EDC)	ND	1.00						0		30	
Benzene	ND	1.00						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
1,2-Dichloropropane	ND	1.00						0		30	
Bromodichloromethane	ND	1.00						0		30	
Dibromomethane	ND	1.00						0		30	
cis-1,3-Dichloropropene	ND	1.00						0		30	
Toluene	ND	1.00						0		30	
trans-1,3-Dichloropropene	ND	1.00						0		30	
1,1,2-Trichloroethane	ND	1.00						0		30	
1,3-Dichloropropane	ND	1.00						0		30	
Tetrachloroethene (PCE)	ND	1.00						0		30	

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1408264-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16477**
Client ID: **BATCH** Batch ID: **R16477** Analysis Date: **8/28/2014** SeqNo: **331673**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dibromochloromethane	ND	1.00						0		30	
1,2-Dibromoethane (EDB)	ND	0.0600						0		30	
Chlorobenzene	ND	1.00						0		30	
1,1,1,2-Tetrachloroethane	ND	1.00						0		30	
Ethylbenzene	ND	1.00						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	1.00						0		30	
Styrene	ND	1.00						0		30	
Isopropylbenzene	ND	1.00						0		30	
Bromoform	ND	1.00						0		30	
1,1,2,2-Tetrachloroethane	ND	1.00						0		30	
n-Propylbenzene	ND	1.00						0		30	
Bromobenzene	ND	1.00						0		30	
1,3,5-Trimethylbenzene	ND	1.00						0		30	
2-Chlorotoluene	ND	1.00						0		30	
4-Chlorotoluene	ND	1.00						0		30	
tert-Butylbenzene	ND	1.00						0		30	
1,2,3-Trichloropropane	ND	1.00						0		30	
1,2,4-Trichlorobenzene	ND	2.00						0		30	
sec-Butylbenzene	ND	1.00						0		30	
4-Isopropyltoluene	ND	1.00						0		30	
1,3-Dichlorobenzene	ND	1.00						0		30	
1,4-Dichlorobenzene	ND	1.00						0		30	
n-Butylbenzene	ND	1.00						0		30	
1,2-Dichlorobenzene	ND	1.00						0		30	
1,2-Dibromo-3-chloropropane	ND	1.00						0		30	
1,2,4-Trimethylbenzene	ND	1.00						0		30	
Hexachlorobutadiene	ND	4.00						0		30	
Naphthalene	ND	1.00						0		30	

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Date: *9/5/2014*

Work Order: 1408261
CLIENT: Migizi Group, Inc.
Project: Meeker Square

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260

Sample ID: **1408264-001ADUP** SampType: **DUP** Units: **µg/L** Prep Date: **8/28/2014** RunNo: **16477**
Client ID: **BATCH** Batch ID: **R16477** Analysis Date: **8/28/2014** SeqNo: **331673**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,3-Trichlorobenzene	ND	4.00						0		30	*
Surr: Dibromofluoromethane	48.9		50.00		97.9	61.7	130		0		
Surr: Toluene-d8	48.3		50.00		96.6	40.1	139		0		
Surr: 1-Bromo-4-fluorobenzene	49.8		50.00		99.6	68.2	127		0		

NOTES:
* - Flagged value is not within established control limits.

Qualifiers:

B	Analyte detected in the associated Method Blank	D	Dilution was required	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	ND	Not detected at the Reporting Limit
R	RPD outside accepted recovery limits	RL	Reporting Limit	S	Spike recovery outside accepted recovery limits

Sample Log-In Check List

Client Name:	**MGI**	Work Order Number:	**1408261**
Logged by:	**Erica Silva**	Date Received:	**8/28/2014 8:10:00 AM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all coolers received at a temperature of >0°C to 10.0°C	Yes ☑	No ☐	NA ☐
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is the headspace in the VOA vials?	Yes ☐	No ☑	NA ☐
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18.	Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified:		Date:	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

19. Additional remarks:

For samples MW-1 and MW-3 each, a single 1L amber preserved with HCl was received for Diesel/Heavy Oil Range Organics analysis and Semi-Volatile Organics analysis.

Item Information

Item #	Temp ºC	Condition
Cooler 1	6.4	Good
Cooler 2	9.5	Good
Sample 1	5.4	Good
Sample 2	7.9	Good

Fremont Analytical

Chain of Custody Record

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

Date: 8/28/14

Laboratory Project No (internal): 1408261

Page: 1 of: 1

Client: MIG/TEK GROUP INC.
Address: 17921 BOTHELL EVERETT HWY STE C2
City, State, Zip: BOTHELL WA Tel: 425 398-2314
Reports To (PM): J. SCHRA Fax: 425 398 2333

Project Name: MEEKER SQUARE
Location: 1301 W. MEEKER
Collected by: J.D.S + P. REED
Email: JSCHRA@MIGTEKGROUP.COM
Project No: P278-14

*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

	Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOC (EPA 8260)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SIM VOL (EPA 8270)	PAH (EPA 8270 - SIM)	PCBs (EPA 8082)	Metals** (6020 / 200.8)	Total (T) / Dissolved (D)	Anions (IC)***	EDB (8011)	Comment/Depth
1	MW-1	8/27/14		W	X			X		X	X							
2	MW-2				X			X		X	X							
3	MW-3				X			X		X	X							
4	OW-1				X			X		X	X			X				
5	OW-2				X			X		X	X			X				
6	OW-3				X			X		X	X		X	X				
7	TRIP				X													
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 Si Sn Ti Tl U V Zn

***Anions (Circle): Nitrate, Nitrite, Chloride, Sulfate, Bromide, O-Phosphate, Fluoride, Nitrate+Nitrite

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

Relinquished	Date/Time	Received	Date/Time
x	8/28/14 0900	x Kelsa Yeda	8/28/14 8 10 AM
Relinquished	Date/Time	Received	Date/Time
x		x	

Special Remarks:

TAT -> SameDay^ NextDay^ 2 Day 3 Day STD

*Please coordinate with the lab in advance.

Distribution: White - Lab, Yellow - File, Pink - Originator

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
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 30, 2015

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

RE: 65112.0, F&BI 510383

Dear Mr. Koltes:

Included are the results from the testing of material submitted on October 26, 2015 from the 65112.0, F&BI 510383 project. There are 30 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, Monica Mogg
EPI1030R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on October 26, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 510383 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
510383 -01	B-17:6
510383 -02	B-17:10
510383 -03	B-17
510383 -04	B-18:5
510383 -05	B-18:10
510383 -06	B-18
510383 -07	B-15:5
510383 -08	B-15:10
510383 -09	B-15
510383 -10	B-13:5
510383 -11	B-13:8
510383 -12	B-13
510383 -13	B-12:5
510383 -14	B-12:8
510383 -15	B-12
510383 -16	B-16:5
510383 -17	B-16:10
510383 -18	B-16
510383 -19	B-11:5
510383 -20	B-11:10
510383 -21	B-11
510383 -22	B-5:5
510383 -23	B-5:10
510383 -24	B-5
510383 -25	B-6:5
510383 -26	B-6:10
510383 -27	B-6

The 8260C trans-1,3-dichloropropene and 2,2-dichloropropane laboratory control sample and laboratory control sample duplicate exceeded the acceptance criteria. These analytes were not detected in the samples, therefore the data were acceptable. In addition, the 8260C dichlorodifluoromethane matrix spike and matrix spike duplicate relative percent difference sample exceeded the acceptance criteria. The laboratory control sample met the acceptance criteria, therefore the results were likely due to matrix effect.

All other quality control requirements were acceptable.

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383
Date Extracted: 10/27/15
Date Analyzed: 10/27/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-17:6 510383-01	<50	870	103
B-18:5 510383-04	<50	<250	90
B-15:5 510383-07	260 x	4,700	98
B-13:5 510383-10	310 x	4,000	97
B-12:5 510383-13	<50	<250	103
B-16:5 510383-16	300 x	3,600	99
B-11:5 510383-19	<50	<250	103
Method Blank 05-2196 MB2	<50	<250	96

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383
Date Extracted: 10/28/15
Date Analyzed: 10/28/15

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
B-17 510383-03	550 x	320 x	96
B-18 510383-06	120 x	<270	78
B-15 510383-09	560 x	500 x	91
B-13 510383-12	170 x	<250	91
B-12 510383-15	98 x	<260	81
B-16 510383-18	280 x	330 x	86
B-11 510383-21	91 x	<250	85
Method Blank 05-2210 MB	<50	<250	91

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-17:6	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-01
Date Analyzed:	10/26/15	Data File:	102621.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	96	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-18:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-04
Date Analyzed:	10/26/15	Data File:	102622.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	95	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-15:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-07
Date Analyzed:	10/26/15	Data File:	102623.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	62	142
Toluene-d8	95	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	0.028
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-13:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-10
Date Analyzed:	10/26/15	Data File:	102624.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	94	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	0.072
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-12:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-13
Date Analyzed:	10/26/15	Data File:	102625.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	62	142
Toluene-d8	96	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-16:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-16
Date Analyzed:	10/26/15	Data File:	102626.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	95	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-11:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-19
Date Analyzed:	10/26/15	Data File:	102627.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	62	142
Toluene-d8	94	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-5:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-22
Date Analyzed:	10/26/15	Data File:	102628.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	97	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-6:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-25
Date Analyzed:	10/26/15	Data File:	102629.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	62	142
Toluene-d8	96	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	05-2159 mb
Date Analyzed:	10/26/15	Data File:	102608.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	96	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-17	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-03
Date Analyzed:	10/26/15	Data File:	102633.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	95	63	127
4-Bromofluorobenzene	98	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	21	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	1.4	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	26	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-18	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-06
Date Analyzed:	10/26/15	Data File:	102634.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	96	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	1.1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-15	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-09
Date Analyzed:	10/26/15	Data File:	102635.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	96	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.95	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	1.8	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-13	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-12
Date Analyzed:	10/26/15	Data File:	102636.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	95	63	127
4-Bromofluorobenzene	99	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	1.8	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-12	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-15
Date Analyzed:	10/26/15	Data File:	102637.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	95	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-16	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-18
Date Analyzed:	10/26/15	Data File:	102638.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	95	63	127
4-Bromofluorobenzene	99	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-11	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-21
Date Analyzed:	10/26/15	Data File:	102639.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	57	121
Toluene-d8	96	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-24
Date Analyzed:	10/26/15	Data File:	102640.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	57	121
Toluene-d8	96	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-6	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-27
Date Analyzed:	10/27/15	Data File:	102641.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	96	63	127
4-Bromofluorobenzene	99	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	05-2158 mb
Date Analyzed:	10/26/15	Data File:	102617.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	98	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 510369-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	210	106	106	63-146	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	114	79-144

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	104	114	63-142	9

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 510385-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	21	16	10-142	27 vo
Chloromethane	mg/kg (ppm)	2.5	<0.5	42	41	10-126	2
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	47	43	10-138	9
Bromomethane	mg/kg (ppm)	2.5	<0.5	57	58	10-163	2
Chloroethane	mg/kg (ppm)	2.5	<0.5	60	55	10-176	9
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	52	48	10-176	8
Acetone	mg/kg (ppm)	12.5	<0.5	72	74	10-163	3
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	61	56	10-160	9
Hexane	mg/kg (ppm)	2.5	<0.25	49	42	10-137	15
Methylene chloride	mg/kg (ppm)	2.5	<0.5	80	80	10-156	0
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	96	91	21-145	5
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	71	66	14-137	7
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	79	75	19-140	5
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	135	126	10-158	7
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	77	73	25-135	5
Chloroform	mg/kg (ppm)	2.5	<0.05	78	75	21-145	4
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	80	80	19-147	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	75	73	12-160	3
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	96	90	10-156	6
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	72	69	17-140	4
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	100	91	9-164	9
Benzene	mg/kg (ppm)	2.5	<0.03	75	72	29-129	4
Trichloroethene	mg/kg (ppm)	2.5	<0.02	75	72	21-139	4
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	85	83	30-135	2
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	85	82	23-155	4
Dibromomethane	mg/kg (ppm)	2.5	<0.05	76	74	23-145	3
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	87	86	24-155	1
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	99	98	28-144	1
Toluene	mg/kg (ppm)	2.5	<0.05	79	80	35-130	1
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	115	117	26-149	2
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	83	84	10-205	1
2-Hexanone	mg/kg (ppm)	12.5	<0.5	89	92	15-166	3
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	84	85	31-137	1
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	82	79	20-133	4
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	99	98	28-150	1
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	98	100	28-142	2
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	83	82	32-129	1
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	83	82	32-137	1
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	108	104	31-143	4
m,p-Xylene	mg/kg (ppm)	5	<0.1	85	83	34-136	2
o-Xylene	mg/kg (ppm)	2.5	<0.05	86	83	33-134	4
Styrene	mg/kg (ppm)	2.5	<0.05	84	84	35-137	0
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	86	83	31-142	4
Bromoform	mg/kg (ppm)	2.5	<0.05	108	105	21-156	3
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	86	83	23-146	4
Bromobenzene	mg/kg (ppm)	2.5	<0.05	87	86	34-130	1
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	88	86	18-149	2
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	88	86	28-140	2
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	89	87	25-144	2
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	86	83	31-134	4
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	85	83	31-136	2
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	89	86	30-137	3
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	86	83	10-182	4
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	88	84	23-145	5
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	87	85	21-149	2
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	86	84	30-131	2
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	85	82	29-129	4
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	87	84	31-132	4
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	118	114	11-161	3
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	85	82	22-142	4
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	94	88	10-142	7
Naphthalene	mg/kg (ppm)	2.5	<0.05	86	83	14-157	4
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	87	84	20-144	4

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	36	10-146
Chloromethane	mg/kg (ppm)	2.5	53	27-133
Vinyl chloride	mg/kg (ppm)	2.5	63	22-139
Bromomethane	mg/kg (ppm)	2.5	72	38-114
Chloroethane	mg/kg (ppm)	2.5	70	10-163
Trichlorofluoromethane	mg/kg (ppm)	2.5	74	10-196
Acetone	mg/kg (ppm)	12.5	85	52-141
1,1-Dichloroethene	mg/kg (ppm)	2.5	77	47-128
Hexane	mg/kg (ppm)	2.5	77	43-142
Methylene chloride	mg/kg (ppm)	2.5	91	42-132
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	109	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	85	67-127
1,1-Dichloroethane	mg/kg (ppm)	2.5	93	68-115
2,2-Dichloropropane	mg/kg (ppm)	2.5	155	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	72-113
Chloroform	mg/kg (ppm)	2.5	91	66-120
2-Butanone (MEK)	mg/kg (ppm)	12.5	94	57-123
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	88	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	113	62-131
1,1-Dichloropropene	mg/kg (ppm)	2.5	88	69-128
Carbon tetrachloride	mg/kg (ppm)	2.5	117	60-139
Benzene	mg/kg (ppm)	2.5	89	68-114
Trichloroethene	mg/kg (ppm)	2.5	88	64-117
1,2-Dichloropropane	mg/kg (ppm)	2.5	100	72-127
Bromodichloromethane	mg/kg (ppm)	2.5	99	72-130
Dibromomethane	mg/kg (ppm)	2.5	90	70-120
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	100	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	119	75-136
Toluene	mg/kg (ppm)	2.5	94	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	137 vo	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	98	75-113
2-Hexanone	mg/kg (ppm)	12.5	107	33-152
1,3-Dichloropropane	mg/kg (ppm)	2.5	100	72-130
Tetrachloroethene	mg/kg (ppm)	2.5	98	72-114
Dibromochloromethane	mg/kg (ppm)	2.5	117	74-125
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	119	74-132
Chlorobenzene	mg/kg (ppm)	2.5	97	76-111
Ethylbenzene	mg/kg (ppm)	2.5	97	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	125	69-135
m,p-Xylene	mg/kg (ppm)	5	99	78-122
o-Xylene	mg/kg (ppm)	2.5	98	77-124
Styrene	mg/kg (ppm)	2.5	99	74-126
Isopropylbenzene	mg/kg (ppm)	2.5	97	76-127
Bromoform	mg/kg (ppm)	2.5	125	56-132
n-Propylbenzene	mg/kg (ppm)	2.5	99	74-124
Bromobenzene	mg/kg (ppm)	2.5	103	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	101	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	102	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	104	61-137
2-Chlorotoluene	mg/kg (ppm)	2.5	97	74-121
4-Chlorotoluene	mg/kg (ppm)	2.5	98	75-122
tert-Butylbenzene	mg/kg (ppm)	2.5	101	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	98	76-125
sec-Butylbenzene	mg/kg (ppm)	2.5	100	71-130
p-Isopropyltoluene	mg/kg (ppm)	2.5	99	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	99	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	97	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	99	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	132	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	95	64-135
Hexachlorobutadiene	mg/kg (ppm)	2.5	102	50-153
Naphthalene	mg/kg (ppm)	2.5	97	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	97	63-138

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 510383-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<1	105	10-172
Chloromethane	ug/L (ppb)	50	<10	88	25-166
Vinyl chloride	ug/L (ppb)	50	21	92 b	36-166
Bromomethane	ug/L (ppb)	50	<1	106	47-169
Chloroethane	ug/L (ppb)	50	<1	104	46-160
Trichlorofluoromethane	ug/L (ppb)	50	<1	93	44-165
Acetone	ug/L (ppb)	250	<10	78	10-182
1,1-Dichloroethene	ug/L (ppb)	50	<1	86	60-136
Hexane	ug/L (ppb)	50	<1	90	52-150
Methylene chloride	ug/L (ppb)	50	<5	98	67-132
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	109	74-127
trans-1,2-Dichloroethene	ug/L (ppb)	50	1.4	89	72-129
1,1-Dichloroethane	ug/L (ppb)	50	<1	96	70-128
2,2-Dichloropropane	ug/L (ppb)	50	<1	147	36-154
cis-1,2-Dichloroethene	ug/L (ppb)	50	26	92 b	71-127
Chloroform	ug/L (ppb)	50	<1	91	65-132
2-Butanone (MEK)	ug/L (ppb)	250	<10	98	10-129
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	89	69-133
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	115	60-146
1,1-Dichloropropene	ug/L (ppb)	50	<1	90	69-133
Carbon tetrachloride	ug/L (ppb)	50	<1	120	56-152
Benzene	ug/L (ppb)	50	<0.35	90	76-125
Trichloroethene	ug/L (ppb)	50	<1	88	66-135
1,2-Dichloropropane	ug/L (ppb)	50	<1	100	78-125
Bromodichloromethane	ug/L (ppb)	50	<1	98	61-150
Dibromomethane	ug/L (ppb)	50	<1	89	66-141
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	100	10-185
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	118	72-132
Toluene	ug/L (ppb)	50	<1	94	76-122
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	124	76-130
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	98	68-131
2-Hexanone	ug/L (ppb)	250	<10	110	10-185
1,3-Dichloropropane	ug/L (ppb)	50	<1	100	71-128
Tetrachloroethene	ug/L (ppb)	50	<1	95	10-226
Dibromochloromethane	ug/L (ppb)	50	<1	116	70-139
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	116	69-134
Chlorobenzene	ug/L (ppb)	50	<1	96	77-122
Ethylbenzene	ug/L (ppb)	50	<1	95	69-135
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	124	73-137
m,p-Xylene	ug/L (ppb)	100	<2	96	69-135
o-Xylene	ug/L (ppb)	50	<1	97	60-140
Styrene	ug/L (ppb)	50	<1	96	71-133
Isopropylbenzene	ug/L (ppb)	50	<1	95	65-142
Bromoform	ug/L (ppb)	50	<1	122	65-142
n-Propylbenzene	ug/L (ppb)	50	<1	97	58-144
Bromobenzene	ug/L (ppb)	50	<1	101	75-124
1,3,5-Trimethylbenzene	ug/L (ppb)	50	<1	99	66-137
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	101	51-154
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	102	53-150
2-Chlorotoluene	ug/L (ppb)	50	<1	96	66-127
4-Chlorotoluene	ug/L (ppb)	50	<1	96	65-130
tert-Butylbenzene	ug/L (ppb)	50	<1	100	65-137
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<1	96	59-146
sec-Butylbenzene	ug/L (ppb)	50	<1	97	64-140
p-Isopropyltoluene	ug/L (ppb)	50	<1	96	65-141
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	95	72-123
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	94	69-126
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	95	69-128
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	122	32-164
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	92	66-136
Hexachlorobutadiene	ug/L (ppb)	50	<1	95	60-143
Naphthalene	ug/L (ppb)	50	<1	96	44-164
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	95	69-148

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	95	90	25-158	5
Chloromethane	ug/L (ppb)	50	84	78	45-156	7
Vinyl chloride	ug/L (ppb)	50	88	84	50-154	5
Bromomethane	ug/L (ppb)	50	105	102	55-143	3
Chloroethane	ug/L (ppb)	50	99	97	58-146	2
Trichlorofluoromethane	ug/L (ppb)	250	90	85	50-150	6
Acetone	ug/L (ppb)	250	83	84	53-131	1
1,1-Dichloroethene	ug/L (ppb)	50	85	81	67-136	5
Hexane	ug/L (ppb)	50	86	82	57-137	5
Methylene chloride	ug/L (ppb)	50	95	88	39-148	8
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	106	102	64-147	4
trans-1,2-Dichloroethene	ug/L (ppb)	50	86	83	68-128	4
1,1-Dichloroethane	ug/L (ppb)	50	93	89	79-121	4
2,2-Dichloropropane	ug/L (ppb)	50	158 vo	152 vo	55-143	4
cis-1,2-Dichloroethene	ug/L (ppb)	50	88	85	80-123	3
Chloroform	ug/L (ppb)	50	88	85	80-121	3
2-Butanone (MEK)	ug/L (ppb)	250	98	92	57-149	6
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	85	82	73-132	4
1,1,1-Trichloroethane	ug/L (ppb)	50	112	108	83-130	4
1,1-Dichloropropene	ug/L (ppb)	50	87	84	77-129	4
Carbon tetrachloride	ug/L (ppb)	50	119	114	75-158	4
Benzene	ug/L (ppb)	50	87	83	69-134	5
Trichloroethene	ug/L (ppb)	50	86	83	80-120	4
1,2-Dichloropropane	ug/L (ppb)	50	97	93	77-123	4
Bromodichloromethane	ug/L (ppb)	50	94	92	81-133	2
Dibromomethane	ug/L (ppb)	50	85	82	82-125	4
4-Methyl-2-pentanone	ug/L (ppb)	250	98	95	65-138	3
cis-1,3-Dichloropropene	ug/L (ppb)	50	114	111	82-132	3
Toluene	ug/L (ppb)	50	91	87	72-122	4
trans-1,3-Dichloropropene	ug/L (ppb)	50	122	119	80-136	2
1,1,2-Trichloroethane	ug/L (ppb)	50	95	91	75-124	4
2-Hexanone	ug/L (ppb)	250	104	100	60-136	4
1,3-Dichloropropane	ug/L (ppb)	50	96	92	76-126	4
Tetrachloroethene	ug/L (ppb)	50	93	88	76-121	6
Dibromochloromethane	ug/L (ppb)	50	112	109	84-133	3
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	112	108	82-125	4
Chlorobenzene	ug/L (ppb)	50	92	89	83-114	3
Ethylbenzene	ug/L (ppb)	50	92	88	77-124	4
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	120	117	84-127	3
m,p-Xylene	ug/L (ppb)	100	93	90	83-125	3
o-Xylene	ug/L (ppb)	50	93	91	81-121	2
Styrene	ug/L (ppb)	50	93	90	84-119	3
Isopropylbenzene	ug/L (ppb)	50	93	89	85-117	4
Bromoform	ug/L (ppb)	50	119	116	74-136	3
n-Propylbenzene	ug/L (ppb)	50	95	91	74-126	4
Bromobenzene	ug/L (ppb)	50	97	93	80-121	4
1,3,5-Trimethylbenzene	ug/L (ppb)	50	97	93	78-123	4
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	98	94	66-126	4
1,2,3-Trichloropropane	ug/L (ppb)	50	101	95	67-124	6
2-Chlorotoluene	ug/L (ppb)	50	93	90	77-127	3
4-Chlorotoluene	ug/L (ppb)	50	92	89	78-128	3
tert-Butylbenzene	ug/L (ppb)	50	98	94	80-123	4
1,2,4-Trimethylbenzene	ug/L (ppb)	50	94	90	79-122	4
sec-Butylbenzene	ug/L (ppb)	50	96	91	80-125	5
p-Isopropyltoluene	ug/L (ppb)	50	95	91	81-123	4
1,3-Dichlorobenzene	ug/L (ppb)	50	93	89	85-116	4
1,4-Dichlorobenzene	ug/L (ppb)	50	91	88	84-121	3
1,2-Dichlorobenzene	ug/L (ppb)	50	93	89	85-116	4
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	119	115	57-141	3
1,2,4-Trichlorobenzene	ug/L (ppb)	50	91	88	72-130	3
Hexachlorobutadiene	ug/L (ppb)	50	97	93	53-141	4
Naphthalene	ug/L (ppb)	50	94	91	64-133	3
1,2,3-Trichlorobenzene	ug/L (ppb)	50	93	90	65-136	3

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.

510383

SAMPLE CHAIN OF CUSTODY

ME 10-26-15 V3/ET2/AR3

Page # 1 of 3

Send Report To Eric Kolks / Monica Moggs

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)*

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ Standard ~~(2 Weeks)~~ 5 day
☐ 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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS								Notes
B-17:6	01A-E		0815	Soil	5	X			X										
B-17:10	02		0820	Soil	1														
B-17	03A-E		0830	water	5	X			X										
B-18:5	04T		0855	Soil	5	X			X										
B-18:10	05		0900	Soil	1														
B-18	06A-E		0910	water	5	X			X										
B-15:5	07T		0940	Soil	5	X			X										
B-15:10	08		0945	Soil	1														
B-15	09A-E		0955	water	5	X			X										Samples received at 5 °C
B-13:5	10T		1005	Soil	5	X			X										

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Moggs	EPI	10/23/15	1415
Received by:	Michael Erdahl	FEBinc	10/26/15	0751
Relinquished by:				
Received by:				

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

510383

SAMPLE CHAIN OF CUSTODY

ME 10-28-15 V3/C12/A03

Page # 2 of 3

Send Report To Eric Kolles / M. Mogg

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)*

PROJECT NAME/NO. 65112-0

PO#

REMARKS

TURNAROUND TIME
☒ Standard (~~2 Weeks~~ 5 Dy)
☐ 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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
						ANALYSES REQUESTED												
B-13:8	11	10/23/15	1010	Soil	1				X									HOLD
B-13	12A F		1020	water	5	X			X									
B-12:5	13 T		1035	Soil	5	X			X									
B-12:8	14		1040	Soil	1													
B-12	15A F		1050	water	5	X			X									
B-16:5	16 T		1105	Soil	5	X			X									
B-16:10	17		1110	Soil	1													
B-16	18A F		1120	water	5	X			X									
B-11:5	19 T		1140	Soil	5	X			X									Samples received at 5 °C
B-11:10	20	↓	1145	Soil	5													

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:	Monica Mogg	ERI	10/23/15	1145
Received by:	Michael Erdahl	FB	10/26/15	0751
Relinquished by:				
Received by:				

510383

SAMPLE CHAIN OF CUSTODY

ME 10-26-15 V3/E12/B403

Page # 3 of

Send Report To Eric Kolles / Monica Moggs

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)

PROJECT NAME/NO. 6511 2.0

PO#

REMARKS

TURNAROUND TIME
☐ Standard (~~2 Weeks~~) 5 days
☐ 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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
						ANALYSES REQUESTED												
B-11	21A-E	10/23/15	1155	water	5	X			X									
B-5:5	22A-D	↓	1210	Soil	4				X									
B-5:10	23		1215	Soil	4													
B-5	24		1220	water	4				X									
B-6:5	25		1230	Soil	4				X									
B-6:10	26		1235	Soil	4													
B-6	27	↓	1245	water	4				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:	Monica Moggs	EPI	10/23/15	1415
Received by:	Michael Erdell	FEBruce	10/26/15	0751
Relinquished by:				
Received by:				

FORMS\COC\COC.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

November 11, 2015

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

RE: 65112.0, F&BI 511066

Dear Mr. Koltes:

Included are the results from the testing of material submitted on November 6, 2015 from the 65112.0, F&BI 511066 project. There are 31 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, Monica Mogg
EPI1111R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 6, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 511066 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
511066 -01	B-14:5
511066 -02	B-14:10
511066 -03	B-14
511066 -04	B-21:5
511066 -05	B-21:10
511066 -06	B-21
511066 -07	B-22:5
511066 -08	B-22:10
511066 -09	B-22
511066 -10	B-23:5
511066 -11	B-23:10
511066 -12	B-23
511066 -13	B-7:5
511066 -14	B-7:12
511066 -15	B-7
511066 -16	B-9:5
511066 -17	B-9:10
511066 -18	B-9
511066 -19	B-19:5
511066 -20	B-19:10
511066 -21	B-19
511066 -22	B-20:5
511066 -23	B-20:10
511066 -24	B-20
511066 -25	B-3:5
511066 -26	B-3:8
511066 -27	B-3
511066 -28	B-4:6
511066 -29	B-4:10
511066 -30	B-4
511066 -31	B-2:5
511066 -32	B-2:10
511066 -33	B-2

CASE NARRATIVE (Continued)

The 8260C hexachlorobutadiene matrix spike sample exceeded the acceptance criteria. The laboratory control sample met the acceptance criteria, therefore the results were likely due to matrix effect.

All other quality control requirements were acceptable.

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

Sample ID Laboratory ID	Gasoline	Diesel	Heavy Oil	Surrogate (% Recovery) (Limit 53-144)
B-3:5 511066-25	ND	ND	ND	97
B-4:6 511066-28	ND	ND	ND	92
B-2:5 511066-31	ND	ND	ND	94
Method Blank 05-2276 MB	ND	ND	ND	96

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 250 mg/kg heavy oil.

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

Sample ID Laboratory ID	Gasoline	Diesel	Heavy Oil	Surrogate (% Recovery) (Limit 56-165)
B-3 511066-27 1/1.7	ND	ND	ND	80
B-4 511066-30	ND	ND	ND	81
B-2 511066-33	ND	ND	ND	85
Method Blank 05-2277 MB	ND	ND	ND	79

ND - Material not detected at or above 0.2 mg/L gas, 0.5 mg/L diesel and 0.5 mg/L heavy oil.

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

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)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
B-7:12 511066-14	<0.02	<0.02	<0.02	<0.06	<2	92
B-9:5 511066-16	<0.02	<0.02	<0.02	<0.06	<2	93
Method Blank 05-2257 MB	<0.02	<0.02	<0.02	<0.06	<2	95

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

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)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
B-7 511066-15	<1	<1	<1	<3	<100	93
B-9 511066-18	<1	<1	<1	<3	<100	95
Method Blank 05-2221 MB	<1	<1	<1	<3	<100	94

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
B-14:5 511066-01	<50	<250	86
B-21:5 511066-04	<50	<250	86
B-22:5 511066-07	<50	<250	88
B-23:5 511066-10	<50	<250	86
B-19:5 511066-19	<50	<250	86
B-20:5 511066-22	<50	<250	77
Method Blank 05-2278 MB	<50	<250	85

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
B-14 511066-03	<50	<250	72
B-21 511066-06	170 x	<250	81
B-22 511066-09	<50	<250	82
B-23 511066-12	<50	<250	79
B-19 511066-21	<50	<250	82
B-20 511066-24	<50	<250	87
Method Blank 05-2277 MB	<50	<250	79

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-14:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-01
Date Analyzed:	11/06/15	Data File:	110619.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	102	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-19:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-19
Date Analyzed:	11/06/15	Data File:	110620.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-20:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-22
Date Analyzed:	11/06/15	Data File:	110621.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	62	142
Toluene-d8	102	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-3:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-25
Date Analyzed:	11/06/15	Data File:	110622.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	102	55	145
4-Bromofluorobenzene	102	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-4:6	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-28
Date Analyzed:	11/06/15	Data File:	110623.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-2:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-31
Date Analyzed:	11/06/15	Data File:	110624.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	05-2245 mb2
Date Analyzed:	11/06/15	Data File:	110606.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-14	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-03
Date Analyzed:	11/06/15	Data File:	110613.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	57	121
Toluene-d8	102	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	1.0	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-19	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-21
Date Analyzed:	11/06/15	Data File:	110614.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	102	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-20	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-24
Date Analyzed:	11/06/15	Data File:	110615.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	100	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-3	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-27
Date Analyzed:	11/06/15	Data File:	110616.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	101	63	127
4-Bromofluorobenzene	99	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-4	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-30
Date Analyzed:	11/06/15	Data File:	110617.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	103	63	127
4-Bromofluorobenzene	102	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-2	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-33
Date Analyzed:	11/06/15	Data File:	110618.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	57	121
Toluene-d8	101	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	05-2246 mb
Date Analyzed:	11/06/15	Data File:	110605.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	101	63	127
4-Bromofluorobenzene	102	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

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: 511063-02 (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	97	66-121
Toluene	mg/kg (ppm)	0.5	96	72-128
Ethylbenzene	mg/kg (ppm)	0.5	98	69-132
Xylenes	mg/kg (ppm)	1.5	98	69-131
Gasoline	mg/kg (ppm)	20	100	61-153

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

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: 511064-02 (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	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	98	69-134

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511066-22 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	99	102	73-135	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	107	74-139

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	86	88	63-142	2

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 511046-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	29	30	10-142	3
Chloromethane	mg/kg (ppm)	2.5	<0.5	54	55	10-126	2
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	57	58	10-138	2
Bromomethane	mg/kg (ppm)	2.5	<0.5	72	74	10-163	3
Chloroethane	mg/kg (ppm)	2.5	<0.5	73	74	10-176	1
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	67	68	10-176	1
Acetone	mg/kg (ppm)	12.5	<0.5	85	86	10-163	1
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	72	72	10-160	0
Hexane	mg/kg (ppm)	2.5	<0.25	67	68	10-137	1
Methylene chloride	mg/kg (ppm)	2.5	<0.5	85	89	10-156	5
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	87	88	21-145	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	81	82	14-137	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	83	84	19-140	1
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	82	82	10-158	0
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	85	87	25-135	2
Chloroform	mg/kg (ppm)	2.5	<0.05	85	88	21-145	3
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	85	83	19-147	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	80	82	12-160	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	85	87	10-156	2
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	82	83	17-140	1
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	88	89	9-164	1
Benzene	mg/kg (ppm)	2.5	<0.03	82	82	29-129	0
Trichloroethene	mg/kg (ppm)	2.5	<0.02	81	83	21-139	2
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	86	86	30-135	0
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	85	86	23-155	1
Dibromomethane	mg/kg (ppm)	2.5	<0.05	89	89	23-145	0
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	88	87	24-155	1
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	89	89	28-144	0
Toluene	mg/kg (ppm)	2.5	<0.05	82	83	35-130	1
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	87	88	26-149	1
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	84	84	10-205	0
2-Hexanone	mg/kg (ppm)	12.5	<0.5	85	83	15-166	2
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	84	85	31-137	1
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	77	78	20-133	1
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	84	86	28-150	2
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	82	83	28-142	1
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	83	83	32-129	0
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	83	84	32-137	1
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	86	89	31-143	3
m,p-Xylene	mg/kg (ppm)	5	<0.1	83	85	34-136	2
o-Xylene	mg/kg (ppm)	2.5	<0.05	85	86	33-134	1
Styrene	mg/kg (ppm)	2.5	<0.05	84	86	35-137	2
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	84	86	31-142	2
Bromoform	mg/kg (ppm)	2.5	<0.05	89	90	21-156	1
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	83	84	23-146	1
Bromobenzene	mg/kg (ppm)	2.5	<0.05	85	85	34-130	0
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	83	84	18-149	1
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	84	85	28-140	1
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	83	83	25-144	0
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	81	83	31-134	2
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	83	83	31-136	0
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	86	87	30-137	1
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	83	83	10-182	0
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	85	86	23-145	1
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	84	84	21-149	0
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	81	82	30-131	1
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	80	80	29-129	0
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	82	83	31-132	1
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	88	90	11-161	2
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	82	84	22-142	2
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	91	93	10-142	2
Naphthalene	mg/kg (ppm)	2.5	<0.05	83	84	14-157	1
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	80	82	20-144	2

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	41	10-146
Chloromethane	mg/kg (ppm)	2.5	61	27-133
Vinyl chloride	mg/kg (ppm)	2.5	68	22-139
Bromomethane	mg/kg (ppm)	2.5	82	38-114
Chloroethane	mg/kg (ppm)	2.5	76	10-163
Trichlorofluoromethane	mg/kg (ppm)	2.5	34	10-196
Acetone	mg/kg (ppm)	12.5	89	52-141
1,1-Dichloroethene	mg/kg (ppm)	2.5	83	47-128
Hexane	mg/kg (ppm)	2.5	85	43-142
Methylene chloride	mg/kg (ppm)	2.5	95	42-132
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	90	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	89	67-127
1,1-Dichloroethane	mg/kg (ppm)	2.5	88	68-115
2,2-Dichloropropane	mg/kg (ppm)	2.5	85	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	72-113
Chloroform	mg/kg (ppm)	2.5	91	66-120
2-Butanone (MEK)	mg/kg (ppm)	12.5	94	57-123
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	86	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	96	62-131
1,1-Dichloropropene	mg/kg (ppm)	2.5	92	69-128
Carbon tetrachloride	mg/kg (ppm)	2.5	102	60-139
Benzene	mg/kg (ppm)	2.5	90	68-114
Trichloroethene	mg/kg (ppm)	2.5	90	64-117
1,2-Dichloropropane	mg/kg (ppm)	2.5	94	72-127
Bromodichloromethane	mg/kg (ppm)	2.5	95	72-130
Dibromomethane	mg/kg (ppm)	2.5	98	70-120
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	99	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	102	75-136
Toluene	mg/kg (ppm)	2.5	91	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	105	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	93	75-113
2-Hexanone	mg/kg (ppm)	12.5	95	33-152
1,3-Dichloropropane	mg/kg (ppm)	2.5	95	72-130
Tetrachloroethene	mg/kg (ppm)	2.5	89	72-114
Dibromochloromethane	mg/kg (ppm)	2.5	99	74-125
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	95	74-132
Chlorobenzene	mg/kg (ppm)	2.5	91	76-111
Ethylbenzene	mg/kg (ppm)	2.5	92	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	99	69-135
m,p-Xylene	mg/kg (ppm)	5	94	78-122
o-Xylene	mg/kg (ppm)	2.5	93	77-124
Styrene	mg/kg (ppm)	2.5	94	74-126
Isopropylbenzene	mg/kg (ppm)	2.5	93	76-127
Bromoform	mg/kg (ppm)	2.5	109	56-132
n-Propylbenzene	mg/kg (ppm)	2.5	95	74-124
Bromobenzene	mg/kg (ppm)	2.5	97	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	95	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	95	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	93	61-137
2-Chlorotoluene	mg/kg (ppm)	2.5	93	74-121
4-Chlorotoluene	mg/kg (ppm)	2.5	95	75-122
tert-Butylbenzene	mg/kg (ppm)	2.5	97	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	95	76-125
sec-Butylbenzene	mg/kg (ppm)	2.5	96	71-130
p-Isopropyltoluene	mg/kg (ppm)	2.5	96	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	92	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	92	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	93	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	105	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	94	64-135
Hexachlorobutadiene	mg/kg (ppm)	2.5	93	50-153
Naphthalene	mg/kg (ppm)	2.5	92	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	91	63-138

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 511063-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<1	108	10-172
Chloromethane	ug/L (ppb)	50	<10	98	25-166
Vinyl chloride	ug/L (ppb)	50	<0.2	97	36-166
Bromomethane	ug/L (ppb)	50	<1	122	47-169
Chloroethane	ug/L (ppb)	50	<1	117	46-160
Trichlorofluoromethane	ug/L (ppb)	50	<1	102	44-165
Acetone	ug/L (ppb)	250	<10	83	10-182
1,1-Dichloroethene	ug/L (ppb)	50	<1	96	60-136
Hexane	ug/L (ppb)	50	3.0	77	52-150
Methylene chloride	ug/L (ppb)	50	<5	102	67-132
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	99	74-127
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	98	72-129
1,1-Dichloroethane	ug/L (ppb)	50	<1	99	70-128
2,2-Dichloropropane	ug/L (ppb)	50	<1	93	36-154
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	98	71-127
Chloroform	ug/L (ppb)	50	<1	99	65-132
2-Butanone (MEK)	ug/L (ppb)	250	<10	92	10-129
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	92	69-133
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	99	60-146
1,1-Dichloropropene	ug/L (ppb)	50	<1	97	69-133
Carbon tetrachloride	ug/L (ppb)	50	<1	103	56-152
Benzene	ug/L (ppb)	50	5.2	94	76-125
Trichloroethene	ug/L (ppb)	50	<1	95	66-135
1,2-Dichloropropane	ug/L (ppb)	50	<1	97	78-125
Bromodichloromethane	ug/L (ppb)	50	<1	96	61-150
Dibromomethane	ug/L (ppb)	50	<1	101	66-141
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	98	10-185
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	101	72-132
Toluene	ug/L (ppb)	50	26	94 b	76-122
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	101	76-130
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	94	68-131
2-Hexanone	ug/L (ppb)	250	<10	92	10-185
1,3-Dichloropropane	ug/L (ppb)	50	<1	95	71-128
Tetrachloroethene	ug/L (ppb)	50	<1	84	10-226
Dibromochloromethane	ug/L (ppb)	50	<1	96	70-139
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	94	69-134
Chlorobenzene	ug/L (ppb)	50	<1	91	77-122
Ethylbenzene	ug/L (ppb)	50	7.6	89	69-135
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	99	73-137
m,p-Xylene	ug/L (ppb)	100	67	87 b	69-135
o-Xylene	ug/L (ppb)	50	48	88 b	60-140
Styrene	ug/L (ppb)	50	<1	94	71-133
Isopropylbenzene	ug/L (ppb)	50	<1	86	65-142
Bromoform	ug/L (ppb)	50	<1	98	65-142
n-Propylbenzene	ug/L (ppb)	50	2.6	82	58-144
Bromobenzene	ug/L (ppb)	50	<1	92	75-124
1,3,5-Trimethylbenzene	ug/L (ppb)	50	16	83 b	66-137
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	94	51-154
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	92	53-150
2-Chlorotoluene	ug/L (ppb)	50	<1	96	66-127
4-Chlorotoluene	ug/L (ppb)	50	<1	90	65-130
tert-Butylbenzene	ug/L (ppb)	50	<1	82	65-137
1,2,4-Trimethylbenzene	ug/L (ppb)	50	42	81 b	59-146
sec-Butylbenzene	ug/L (ppb)	50	<1	75	64-140
p-Isopropyltoluene	ug/L (ppb)	50	<1	75	65-141
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	84	72-123
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	83	69-126
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	87	69-128
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	100	32-164
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	77	66-136
Hexachlorobutadiene	ug/L (ppb)	50	<1	52 vo	60-143
Naphthalene	ug/L (ppb)	50	9.0	89	44-164
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	78	69-148

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	100	104	25-158	4
Chloromethane	ug/L (ppb)	50	91	89	45-156	2
Vinyl chloride	ug/L (ppb)	50	92	92	50-154	0
Bromomethane	ug/L (ppb)	50	116	115	55-143	1
Chloroethane	ug/L (ppb)	50	109	111	58-146	2
Trichlorofluoromethane	ug/L (ppb)	250	99	99	50-150	0
Acetone	ug/L (ppb)	250	89	92	53-131	3
1,1-Dichloroethene	ug/L (ppb)	50	92	94	67-136	2
Hexane	ug/L (ppb)	50	96	96	57-137	0
Methylene chloride	ug/L (ppb)	50	97	100	39-148	3
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	93	94	64-147	1
trans-1,2-Dichloroethene	ug/L (ppb)	50	93	94	68-128	1
1,1-Dichloroethane	ug/L (ppb)	50	92	94	79-121	2
2,2-Dichloropropane	ug/L (ppb)	50	92	94	55-143	2
cis-1,2-Dichloroethene	ug/L (ppb)	50	92	94	80-123	2
Chloroform	ug/L (ppb)	50	92	93	80-121	1
2-Butanone (MEK)	ug/L (ppb)	250	95	90	57-149	5
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	88	85	73-132	3
1,1,1-Trichloroethane	ug/L (ppb)	50	97	97	83-130	0
1,1-Dichloropropene	ug/L (ppb)	50	94	95	77-129	1
Carbon tetrachloride	ug/L (ppb)	50	105	105	75-158	0
Benzene	ug/L (ppb)	50	90	90	69-134	0
Trichloroethene	ug/L (ppb)	50	91	90	80-120	1
1,2-Dichloropropane	ug/L (ppb)	50	94	95	77-123	1
Bromodichloromethane	ug/L (ppb)	50	95	94	81-133	1
Dibromomethane	ug/L (ppb)	50	97	97	82-125	0
4-Methyl-2-pentanone	ug/L (ppb)	250	96	95	65-138	1
cis-1,3-Dichloropropene	ug/L (ppb)	50	100	100	82-132	0
Toluene	ug/L (ppb)	50	89	90	72-122	1
trans-1,3-Dichloropropene	ug/L (ppb)	50	101	101	80-136	0
1,1,2-Trichloroethane	ug/L (ppb)	50	90	91	75-124	1
2-Hexanone	ug/L (ppb)	250	90	88	60-136	2
1,3-Dichloropropane	ug/L (ppb)	50	92	91	76-126	1
Tetrachloroethene	ug/L (ppb)	50	85	86	76-121	1
Dibromochloromethane	ug/L (ppb)	50	95	96	84-133	1
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	92	91	82-125	1
Chlorobenzene	ug/L (ppb)	50	88	89	83-114	1
Ethylbenzene	ug/L (ppb)	50	90	90	77-124	0
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	95	99	84-127	4
m,p-Xylene	ug/L (ppb)	100	89	91	83-125	2
o-Xylene	ug/L (ppb)	50	89	91	81-121	2
Styrene	ug/L (ppb)	50	90	91	84-119	1
Isopropylbenzene	ug/L (ppb)	50	89	91	85-117	2
Bromoform	ug/L (ppb)	50	101	101	74-136	0
n-Propylbenzene	ug/L (ppb)	50	90	90	74-126	0
Bromobenzene	ug/L (ppb)	50	92	92	80-121	0
1,3,5-Trimethylbenzene	ug/L (ppb)	50	91	91	78-123	0
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	91	91	66-126	0
1,2,3-Trichloropropane	ug/L (ppb)	50	89	88	67-124	1
2-Chlorotoluene	ug/L (ppb)	50	88	88	77-127	0
4-Chlorotoluene	ug/L (ppb)	50	90	90	78-128	0
tert-Butylbenzene	ug/L (ppb)	50	93	94	80-123	1
1,2,4-Trimethylbenzene	ug/L (ppb)	50	89	90	79-122	1
sec-Butylbenzene	ug/L (ppb)	50	92	92	80-125	0
p-Isopropyltoluene	ug/L (ppb)	50	90	90	81-123	0
1,3-Dichlorobenzene	ug/L (ppb)	50	87	88	85-116	1
1,4-Dichlorobenzene	ug/L (ppb)	50	86	87	84-121	1
1,2-Dichlorobenzene	ug/L (ppb)	50	88	88	85-116	0
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	99	98	57-141	1
1,2,4-Trichlorobenzene	ug/L (ppb)	50	90	90	72-130	0
Hexachlorobutadiene	ug/L (ppb)	50	87	87	53-141	0
Naphthalene	ug/L (ppb)	50	90	90	64-133	0
1,2,3-Trichlorobenzene	ug/L (ppb)	50	88	89	65-136	1

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.

511066

SAMPLE CHAIN OF CUSTODY

ME 11-06-15 V3/C3/VS2/BOS

Page # 1 of 4

Send Report To Eric Kolles/Monica Mogg

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)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ Standard (~~2 Weeks~~) 5 day
☐ 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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	Notes
B-14:5	01A-E	11/5/15	1500	Soil	5	X			X			
B-14:10	02		1505	Soil	5							
B-14	03		1520	water	5	X			X			
B-21:5	04		1605	soil	1	X						
B-21:10	05		1610	soil	1							
B-21	06		1625	water	1	X						
B-22:5	07		1650	Soil	1	X						
B-22:10	08		1655	Soil	1							
B-22	09		1700	water	1	X						Samples received at 4 °C
B-23:5	10		1720	Soil	1	X						

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mogg	EPI	11/6/15	0759
Received by:	Michael Endahl	FGBrn	11/6/15	↓
Relinquished by:				
Received by:				

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

FORMS\COC\COC.DOC

511066

SAMPLE CHAIN OF CUSTODY

ME 11-06-15 V3/C73 2/VB2 2/4 B05

Page # 1 of 1

Send Report To Eric Kolles / M. Moggs

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)*

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ ~~Standard (2 Weeks)~~ 5 day
☐ 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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-23:10	11	11/5/15	0725	soil	1													
B-23	12	11/5/15	0735	water	1	X												
B-7:5	13A-E	11/5/15	1755	soil	5													
B-7:12	14 T	11/5/15	1800	soil	5		[redacted]	X										6x + BTEX
B-7	15A-C	11/5/15	1810	water	3	[redacted] NO Dx	X	X										
B-9:5	16A-E		1830	soil	5		X	X										
B-9:10	17T		1835	soil	5													
B-9	18A-C		1840	water	3		X	X										
B-19:5	19A-E		1925	soil	5	X			X									Samples received at 4 °C
B-19:10	20 T	↓	1930	soil	5													

ANALYSES REQUESTED

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

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SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Moggs	EPI	11/6/15	0759
Received by:	Michael Erdahl	FB Inc	↓	↓
Relinquished by:				
Received by:				

511066

SAMPLE CHAIN OF CUSTODY

ME 11-06-15 V3/C13/VC2/B05

Page # 3 of 4

Send Report To E.Kolkes / M.Mogg

Company EPI

Address

City, State, ZIP Issaquah WA

Phone # 425-395-0027 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 651120

PO#

REMARKS

TURNAROUND TIME
☒ ~~Standard (2 Weeks)~~ 5 days
☐ 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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	HCID						Notes
B-19	21A-E	11/6/15	1940	water	5	X			X									
B-20:5	22		1955	soil	5	X			X									
B-20:10	23		2000	soil	5													
B-20	24		2010	water	5	X			X									
B-3:5	25		2110	soil	5				X			X						
B-3:8	26		2120	soil	5													
B-3	27A-F		2130	water	6				X			X						
B-4:6	28A-E		2150	soil	5				X			X						
B-4:10	29		2155	soil	5													Samples received at 4 °C
B-4	30	✓	2200	water	5				X			X						

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mogg	EPI	11/6/15	0759
Received by:	Michael Eckhl	FG Bruya	↓	↓
Relinquished by:				
Received by:				

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

511066

SAMPLE CHAIN OF CUSTODY

ME 11-06-15 V3/C3/V2/B05

Page # 4 of 4

Send Report To E.Koltes / M.Mogg

Company EBI

Address

City, State, ZIP Issaquah WA

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ Standard (~~2 Weeks~~) 5 day
☐ 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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	HCID						Notes
B-2:5	31	11/5/15	2250	Soil	5				X			X						
B-2:10	32	↓	2255	Soil	5													
B-2	33	↓	2300	water	5				X			X						
																		Samples received at ____°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:	Monica Mogg	EBI	11/6/15	0739
Received by:	Mochia / E-Gh1	FEDEX	↓	↓
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

November 19, 2015

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

RE: 65112.0, F&BI 511183

Dear Mr. Koltes:

Included are the results from the testing of material submitted on November 13, 2015 from the 65112.0, F&BI 511183 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, Monica Mogg
EPI1119R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 13, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 511183 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
511183-01	B-10:5'
511183-02	B-10:10'
511183-03	B-10'

All quality control requirements were acceptable.

Date of Report: 11/19/15
Date Received: 11/13/15
Project: 65112.0, F&BI 511183
Date Extracted: 11/16/15
Date Analyzed: 11/16/15

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)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B-10:5' 511183-01	<0.02	<0.02	<0.02	<0.06	<2	100
Method Blank 05-2321 MB	<0.02	<0.02	<0.02	<0.06	<2	99

Date of Report: 11/19/15
Date Received: 11/13/15
Project: 65112.0, F&BI 511183
Date Extracted: 11/16/15
Date Analyzed: 11/16/15

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)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
B-10' 511183-03	4.9	1.4	1.1	5.2	160	94
Method Blank 05-2320 MB	<1	<1	<1	<3	<100	94

Date of Report: 11/19/15
Date Received: 11/13/15
Project: 65112.0, F&BI 511183

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: 511197-01 (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	89	69-120
Toluene	mg/kg (ppm)	0.5	92	70-117
Ethylbenzene	mg/kg (ppm)	0.5	93	65-123
Xylenes	mg/kg (ppm)	1.5	89	66-120
Gasoline	mg/kg (ppm)	20	105	71-131

Date of Report: 11/19/15
Date Received: 11/13/15
Project: 65112.0, F&BI 511183

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: 511189-01 (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	100	65-118
Toluene	ug/L (ppb)	50	98	72-122
Ethylbenzene	ug/L (ppb)	50	98	73-126
Xylenes	ug/L (ppb)	150	96	74-118
Gasoline	ug/L (ppb)	1,000	98	69-134

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.

511183

SAMPLE CHAIN OF CUSTODY

ME 11-13-15

CTL/VI/

Send Report To Erz Kolts / M. Mozz

Company EFI

Address 1180 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0101 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

Page # 1 of 1

TURNAROUND TIME
- [x] Standard (~~2 Weeks~~) 5 day
- [ ] 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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	Notes
B-10:5'	01A-D	11/12/15	1925	Soil	4		X	X				
B-10:10'	02T		1930	Soil	4							
B-10	03A-C		1940	Water	3		X	X				
~~B-10:5~~			~~2035~~	~~Soil~~	~~4~~		~~X~~	~~X~~				
~~B-10:10~~			~~2040~~	~~Soil~~	~~4~~							
~~B-10~~			~~2050~~	~~Water~~	~~3~~		~~X~~	~~X~~				

Samples received at 4 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mozz	EFI	11/13/15	0700
Received by:	Jason Kolts	Fedex	11/13/15	10:36 AM
Relinquished by:				
Received by:	Nhan Phan	FEBI	11/13/15	1120

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

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

November 24, 2015

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

RE: 65112.0, F&BI 511292

Dear Mr. Koltes:

Included are the results from the testing of material submitted on November 20, 2015 from the 65112.0, F&BI 511292 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, Monica Mogg
EPI1124R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 20, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 511292 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
511292 -01	B-24:2
511292 -02	B-24:4
511292 -03	B-24:6
511292 -04	B-24:8
511292 -05	B-24:10
511292 -06	B-24:15
511292 -07	B-25:2
511292 -08	B-25:4
511292 -09	B-25:6
511292 -10	B-25:8
511292 -11	B-25:10
511292 -12	B-26:2
511292 -13	B-26:4
511292 -14	B-26:6
511292 -15	B-26:8
511292 -16	B-26:10
511292 -17	B-26:15
511292 -18	B-27:2
511292 -19	B-27:4
511292 -20	B-27:6
511292 -21	B-27:8
511292 -22	B-27:10
511292 -23	B-27:15
511292 -24	B-28:2
511292 -25	B-28:4
511292 -26	B-28:6
511292 -27	B-28:8
511292 -28	B-28:10
511292 -29	B-29:2
511292 -30	B-29:4
511292 -31	B-29:6
511292 -32	B-29:8
511292 -33	B-29:10
511292 -34	B-30:2
511292 -35	B-30:4
511292 -36	B-30:6

CASE NARRATIVE (continued)

Laboratory ID	Environmental Partners
511292 -37	B-30:8
511292 -38	B-30:10
511292 -39	B-31:2
511292 -40	B-31:4
511292 -41	B-31:6
511292 -42	B-31:8
511292 -43	B-31:10
511292 -44	B-32:2
511292 -45	B-32:4
511292 -46	B-32:6
511292 -47	B-32:8
511292 -48	B-32:10

All quality control requirements were acceptable.

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-24:2 511292-01	490 x	4,200	88
B-24:4 511292-02	330 x	4,800	92
B-24:6 511292-03	<50	<250	93
B-24:8 511292-04	<50	<250	95
B-24:10 511292-05	<50	<250	91
B-24:15 511292-06	<50	<250	105
B-25:2 511292-07	<50	<250	97
B-25:4 511292-08	<50	<250	89
B-25:6 511292-09	<50	<250	103
B-25:8 511292-10	<50	<250	99

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-25:10 511292-11	<50	<250	104
B-26:2 511292-12	270 x	4,300	90
B-26:4 511292-13	290 x	4,600	89
B-26:6 511292-14	<50	<250	89
B-26:8 511292-15	<50	<250	88
B-26:10 511292-16	<50	<250	89
B-26:15 511292-17	<50	<250	93
B-27:2 511292-18	<50	<250	96
B-27:4 511292-19	<50	<250	92
B-27:6 511292-20	<50	<250	90

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-27:8 511292-21	<50	<250	99
B-27:10 511292-22	<50	<250	94
B-27:15 511292-23	<50	<250	97
B-28:2 511292-24	200 x	2,600	93
B-28:4 511292-25	<50	<250	91
B-28:6 511292-26	<50	<250	98
B-28:8 511292-27	<50	<250	100
B-28:10 511292-28	<50	<250	101
B-29:2 511292-29	<50	<250	103
B-29:4 511292-30	<50	<250	95

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-29:6 511292-31	<50	<250	105
B-29:8 511292-32	<50	<250	91
B-29:10 511292-33	<50	<250	102
B-30:2 511292-34	<50	<250	91
B-30:4 511292-35	<50	<250	90
B-30:6 511292-36	<50	<250	97
B-30:8 511292-37	<50	<250	98
B-30:10 511292-38	<50	<250	103
B-31:2 511292-39	<50	<250	90
B-31:4 511292-40	<50	<250	88

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-31:6 511292-41	<50	<250	87
B-31:8 511292-42	<50	<250	98
B-31:10 511292-43	<50	<250	97
B-32:2 511292-44	85 x	2,200	96
B-32:4 511292-45	<50	<250	102
B-32:6 511292-46	<50	<250	89
B-32:8 511292-47	<50	<250	91
B-32:10 511292-48	<50	<250	89
Method Blank 05-2379 MB	<50	<250	104
Method Blank 05-2382 MB	<50	<250	73
Method Blank 05-2383 MB	<50	<250	90

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511274-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	109	110	64-133	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	111	58-147

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511292-25 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	102	99	64-133	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	104	58-147

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511282-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	86	90	63-146	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	93	79-144

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.

511292 ME 11/20/15 COC

SAMPLE CHAIN OF CUSTODY

Send Report To Eric Foltz / M. Mozz
Company EPI
Address 1180 NW Maple St, Ste 310
City, State, ZIP Issaquah, WA
Phone # 425-395-0010 Fax #

SAMPLERS (signature)
PROJECT NAME/NO. 65112-0
PO#
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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS						Notes
B-24:2	01	11/20/15	0900	Soil	1	X											
B-24:4	02		0902		1	X											
B-24:6	03		0904		1	X											
B-24:8	04		0904		1	X											
B-24:10	05		0906		1	X											
B-24:15	06		0915		1	X											
B-25:2	07		0940		1	X											
B-25:4	08		0942		1	X											
B-25:6	09		0948		1	X											
B-25:8	10		0950		1	X											Samples received at 3 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mozz	EPI	11/20/15	1212
Received by:	Matt Langston	FBI	11/20/15	1212
Relinquished by:				
Received by:				

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

5/1293

SAMPLE CHAIN OF CUSTODY

ME 11/20/15 COC

Page # 2 of 3

Send Report To Eric Foltes / M. Monge

Company EFI

Address 1180 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-25:10	11	11/20/15	0952	Soil	1	X												
B-26:2	12		1005		1	X												
B-26:4	13		1007		1	X												
B-26:6	14		1011		1	X												
B-26:8	15		1013		1	X												
B-26:10	16		1015		1	X												
B-26:15	17		1019		1	X												
B-27:2	18		1030		1	X												
B-27:4	19		1032		1	X												
B-27:6	20	↓	1036	↓	1	X												Samples received at 3 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Monge	EFI	11/20/15	1212
Received by:	Matt Longtin	EFI	11/20/15	1212
Relinquished by:				
Received by:				

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

5T1293

SAMPLE CHAIN OF CUSTODY

ME 11/20/15 CO

Page # 3 of 3

Send Report To Eric Koltes / M-Mogg

Company EPI

Address 11180 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS						Notes
B-27:8	21	11/20/15	1038	Soil	1	X											
B-27:10	22		1040		1	X											
B-27:15	23		1044		1	X											
B-28:2	24		1055		1	X											
B-28:4	25		1057		1	X											
B-28:6	26		1059		1	X											
B-28:8	27		1101		1	X											
B-28 10	28		1103		1	X											
B-29:2	29		1112		1	X											
B-29:4	30		1114		1	X											

Samples received at 3 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mogg	EPI	11/20/15	1212
Received by:	Matt Langston	EPI	11/20/15	1212
Relinquished by:				
Received by:				

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

5/1293

SAMPLE CHAIN OF CUSTODY

MAE 11/20/15 COC

Page # 4 of 5

Send Report To Eric Kolte's / M. Mayer

Company EPI

Address 1100 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 651120

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24hr

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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS						Notes
B-29:6	31	11/20/15	1118	Soil	1	X											
B-29:8	32		1120		1	X											
B-29:10	33		1122		1	X											
B-30:2	34		1132		1	X											
B-30:4	35		1134		1	X											
B-30:6	36		1137		1	X											
B-30:8	37		1139		1	X											
B-30:10	38		1141		1	X											
B-31:2	39		1156		1	X											
B-31:4	40		1158		1	X											Samples received at 3 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mayer	EPI	11/20/15	1212
Received by:	Matt Longsdorf	FBI	11/20/15	12:12
Relinquished by:				
Received by:				

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

511293

SAMPLE CHAIN OF CUSTODY

ME 11/20/15 CO4

Page # 5 of 5

Send Report To Eric Kolles / M. Mogg

Company EPI

Address 1100 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24hr

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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-31:6	41	11/20/15	1200	Soil	1	X												
B-31:8	42		1202		1	X												
B-31:10	43		1204		1	X												
B-32:2	44		1209		1	X												
B-32:4	45		1211		1	X												
B-32:6	46		1212		1	X												
B-32:8	47		1213		1	X												
B-32:10	48		1214		1	X												
~~B-32:15~~					1	X												
					1	X												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mogg	EPI	11/20/15	1212
Received by:	Matt Langton	FEDEX	11/20/15	1212
Relinquished by:				
Received by:				

Samples received at 3 °C

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

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

November 24, 2015

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

RE: 65112.0, F&BI 511298

Dear Mr. Koltes:

Included are the results from the testing of material submitted on November 20, 2015 from the 65112.0, F&BI 511298 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, Monica Mogg
EPI1124R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 20, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 511298 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
511298 -01	B-32:15
511298 -02	B-33:2
511298 -03	B-33:4
511298 -04	B-33:6
511298 -05	B-33:8
511298 -06	B-33:10
511298 -07	B-34:2
511298 -08	B-34:4
511298 -09	B-34:6
511298 -10	B-34:8
511298 -11	B-34:10
511298 -12	B-35:2
511298 -13	B-35:4
511298 -14	B-35:6
511298 -15	B-35:8
511298 -16	B-35:10

All quality control requirements were acceptable.

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511298
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/23/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
B-32:15 511298-01	<50	<250	86
B-33:2 511298-02	<50	<250	80
B-33:4 511298-03	<50	<250	81
B-33:6 511298-04	<50	570	81
B-33:8 511298-05	<50	<250	84
B-33:10 511298-06	<50	<250	81
B-34:2 511298-07	180 x	2,600	76
B-34:4 511298-08	200 x	2,600	75
B-34:6 511298-09	<50	<250	81
B-34:8 511298-10	<50	<250	86
B-34:10 511298-11	<50	<250	82

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511298
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/23/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
B-35:2 511298-12	<50	<250	83
B-35:4 511298-13	<50	<250	83
B-35:6 511298-14	<50	<250	83
B-35:8 511298-15	<50	<250	82
B-35:10 511298-16	<50	<250	83
Method Blank 05-2385 MB	<50	<250	92

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511298

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511298-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	99	97	73-135	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	107	74-139

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.

511298

SAMPLE CHAIN OF CUSTODY

ME 11-20-15

605

Page # 1 of 2

Send Report To Eric Kolles

Company EPI

Address 1180 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS *(signature)*

PROJECT NAME/NO. 651120

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24hr

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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-32:15	01	11/20/15	1220	So;l	1	X												
B-32:2	02		1230		1	X												
B-33:4	03		1231		1	X												
B-33:6	04		1233		1	X												
B-33:8	05		1234		1	X												
B-33:10	06		1235		1	X												
B-34:2	07		1240		1	X												
B-34:4	08		1241		1	X												
B-34:6	09		1243		1	X												
B-34:8	10		1244		1	X												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mayes	EPI	11/20/15	1430
Received by:	Matthew Parker	F&B	11/20/15	1431
Relinquished by:				
Received by:		Samples received at 5 °C		

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

511298

SAMPLE CHAIN OF CUSTODY

HE 11-20-15 COS

Page # 2 of 2

Send Report To Eric Kolte3 / M. Mayo

Company EPI

Address 1180 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-295-0800 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24hr
- 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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-34:10	11	11/20/15	1245	Soil	1	X												
B-35:2	12		1308		1	X												
B-35:4	13		1310		1	X												
B-35:6	14		1312		1	X												
B-35:8	15		1314		1	X												
B-35:10	16	↓	1315	↓	1	X												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Maura Mayo	EPI	11/20/15	1430
Received by:	Matthew Parker	F&B	11/20/15	1431
Relinquished by:			5	
Received by:		Samples received at		°C

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

FORMS\COC\COC.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

February 17, 2017

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

RE: 65112.3, F&BI 702230

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 15, 2017 from the 65112.3, F&BI 702230 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, Josh Bernthal, Betsy Wing
EPI0217R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 15, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702230 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702230 -01	B12-SSW-1:2
702230 -02	C12-ESW-1:2
702230 -03	D12-ESW-1:2
702230 -04	C12-B-1:3
702230 -05	D11-B-1:3
702230 -06	D11-NSW-1:2
702230 -07	B10-SSW-1:3.5
702230 -08	B9-SSW-1:3
702230 -09	C7-WSW-1:3
702230 -10	C11-ESW-1:5.5
702230 -11	D7-WSW-1:4
702230 -12	Trip Blank

All quality control requirements were acceptable.

Date of Report: 02/17/17
Date Received: 02/15/17
Project: 65112.3, F&BI 702230
Date Extracted: 02/15/17
Date Analyzed: 02/15/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
B12-SSW-1:2 702230-01	<50	<250	89
C12-ESW-1:2 702230-02	130 x	2,400	91
D12-ESW-1:2 702230-03	530 x	5,200	87
C12-B-1:3 702230-04	<50	<250	89
D11-B-1:3 702230-05	<50	<250	90
D11-NSW-1:2 702230-06	<50	<250	88
B10-SSW-1:3.5 702230-07	<50	<250	96
B9-SSW-1:3 702230-08	270 x	3,700	99
C7-WSW-1:3 702230-09	110 x	2,000	88
C11-ESW-1:5.5 702230-10	<50	<250	96

Date of Report: 02/17/17
Date Received: 02/15/17
Project: 65112.3, F&BI 702230
Date Extracted: 02/15/17
Date Analyzed: 02/15/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
D7-WSW-1:4 702230-11	<50	<250	89
Method Blank 07-319 MB	<50	<250	122

Date of Report: 02/17/17
Date Received: 02/15/17
Project: 65112.3, F&BI 702230

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702230-06 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	109	113	73-135	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	101	74-139

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.

702230

SAMPLE CHAIN OF CUSTODY

ME 2/15/17 VW2/B03

Page # 1 of 2

Report To Betsy Wing, Josh Bernthal, Eric Kolles

Company Environmental Partners Inc. (EPI)

Address 1180 NW Maple St Suite 310

City, State, ZIP Issaquah, WA 98027

Phone (425) 395-0040 Email betsyw@epi-wa.com, joshb@epi-wa.com, erick@epi-wa.com

SAMPLERS (*signature*): Betsy Wing

PROJECT NAME: 65112.3

PO #: 65112.3

REMARKS: Results by 10AM on 2/16.

INVOICE TO: EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH results by 10AM 2/16
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
						ANALYSES REQUESTED											
B12-SSW-1:2	01	2/15/17	0918	Soil	1		X										
C12-ESW-1:2	02	2/15/17	0925	Soil	1		X										
D12-ESW-1:2	03	2/15/17	0934	Soil	1		X										
C12-B-1:3	04	2/15/17	0930	Soil	1		X										
D11-B-1:3	05	2/15/17	0935	soil	1		X										
~~C12-B-1:3~~																	
D11-NSW-1:2	06	2/15/17	0942	soil	1		X										
B10-SSW-1:3.5	07	2/15/17	1308	soil	1		X										
B9-SSW-1:3	08	2/15/17	1312	soil	1		X										
C7-WSW-1:3	09	2/15/17	1320	soil	1		X										

Samples received at 4°C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/15/17	15:00
Received by:	VIN'LH	FBI	2/15/17	15:00
Relinquished by:				
Received by:				

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

702230

SAMPLE CHAIN OF CUSTODY

ME 2/15/17 VWZ/B03

Page # 1 of 2

Report To ~~Betsy~~ Wing, Josh Bernthal, Eric Kolles

Company Environmental Partners, Inc. (EPI)

Address 1180 NW Maple St, Suite 310

City, State, ZIP Issaquah, WA 98027

Phone (425) 395-0040 Email betsyw@epi-wa.com, joshb@epi-wa.com, erick@epi-wa.com

SAMPLERS (signature) Betsy Wing

PROJECT NAME 65112.3

PO # 65112.3

REMARKS Results by 10AM 2/16/17

INVOICE TO EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/16
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
						ANALYSES REQUESTED											
C11-ESW-1:5.5	10	2/15/17 ~~140~~	1405	soil	1		X										
D7-WSW-1:4	11	2/15/17	1410	soil	1		X										
Trip Blank	12A B	2/15/17	1400	water	XZ												
																	Received at 4 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/15/17	15:00
Received by:		EPI	2/17/17	15:00
Relinquished by:				
Received by:				

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

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 20, 2017

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

RE: 65112.3, F&BI 702244

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 16, 2017 from the 65112.3, F&BI 702244 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, Josh Bernthal, Betsy Wing
EPI0220R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 16, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702244 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702244-01	D8-NSW-1:4
702244-02	D9-NSW-1:3.5
702244-03	C9-B-1:6
702244-04	C10-B-1:7
702244-05	G18-Hyd-E-1:3
702244-06	F19-ESW-1:3.5
702244-07	G18-Hyd-W-1:3
702244-08	J18-NSW-1:3
702244-09	I20-ESW-1:3
702244-10	G18-Hyd-N-1:5
702244-11	I18-B-1:5
702244-12	F18-B-1:5

All quality control requirements were acceptable.

Date of Report: 02/20/17
Date Received: 02/16/17
Project: 65112.3, F&BI 702244
Date Extracted: 02/16/17
Date Analyzed: 02/16/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
D8-NSW-1:4 702244-01	<50	<250	106
D9-NSW-1:3.5 702244-02	<50	<250	107
C9-B-1:6 702244-03	<50	<250	102
C10-B-1:7 702244-04	<50	<250	102
G18-Hyd-E-1:3 702244-05	140 x	3,300	109
F19-ESW-1:3.5 702244-06	<50	<250	100
G18-Hyd-W-1:3 702244-07	<50	<250	101
J18-NSW-1:3 702244-08	<50	<250	98
I20-ESW-1:3 702244-09	<50	<250	102
G18-Hyd-N-1:5 702244-10	130 x	3,000	100

Date of Report: 02/20/17
Date Received: 02/16/17
Project: 65112.3, F&BI 702244
Date Extracted: 02/16/17
Date Analyzed: 02/16/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
I18-B-1:5 702244-11	<50	<250	95
F18-B-1:5 702244-12	<50	<250	98
Method Blank 07-321 MB	<50	<250	98

Date of Report: 02/20/17
Date Received: 02/16/17
Project: 65112.3, F&BI 702244

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702227-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	104	112	63-146	7

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	97	79-144

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.

702244

SAMPLE CHAIN OF CUSTODY

ME 02-16-17

003

Page # 1 of 2

Report To ~~Betsy~~ Wing, Josh Bernthal, Eric Koltes

Company Environmental Partners (EPI)

Address 1180 NW Maple St., Suite 310

City, State, ZIP Issaquah, WA 98027

Phone (425) 395-0040 Email betsyw@epi-wa.com, joshb@epi-wa.com, ericK@epi-wa.com

SAMPLERS (signature) Betsy Wing

PROJECT NAME 65112.3

PO # 65112.3

REMARKS Results by 10AM 2/17/17

INVOICE TO EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH results by 10AM 2/17
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
D8-NSW-1:4	01	2/16/17	0910	soil	1		X										
D9-NSW-1:3.5	02	2/16/17	0915	soil	1		X										
C9-B-1:6	03	2/16/17	0930	soil	1		X										
C10-B-1:7	04	2/16/17	1140	soil	1		X										
G18-Hyd-E-1:3	05	2/16/17	1230	soil	1		X										
F19-ESW-1:3.5	06	2/16/17	~~1225~~	soil	1		X										
G18-Hyd-W-1:3	07	2/16/17	1240	soil	1		X										
J18-NSW-1:3	08	2/16/17	1330	soil	1		X										
I20-ESW-1:3	09	2/16/17	1335	soil	1		X										Samples received at 2 °C
G18-Hyd-N-1:5	10	2/16/17	1340	soil	1		X										

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/16/17	1427
Received by:	VINH	FBI	2/16/17	1427
Relinquished by:				
Received by:				

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

702244

SAMPLE CHAIN OF CUSTODY

ME 02-16-17

03

Page # 2 of 2

Report To Betsy Wing, Bernthal, Josh Eric Kolles

Company Environmental Partners (EPI)

Address 1180 NW Maple St., Suite 310

City, State, ZIP Issaquah, WA 98027

Phone (425) 395-0040 Email betsyw@epi-wa.com, joshb@epi-wa.com, erickb@epi-wa.com

SAMPLERS (*signature*) Betsy Wing

PROJECT NAME 65112.3

PO # 65112.3

REMARKS Results by 10AM 2/17/17

INVOICE TO EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/17
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
I18-B-1:5	11	2/16/17	1400	Soil	1		X										
F18-B-1:5	12	2/16/17	1420	Soil	1		X										

Samples received at 2 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/16/17	1427
Received by:	VINH	FBI	2/16/17	1427
Relinquished by:				
Received by:				

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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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www.friedmanandbruya.com

March 7, 2017

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

RE: 65112.3, F&BI 702271

Dear Ms Wing:

Included is the amended report from the testing of material submitted on February 17, 2017 from the 65112.3, F&BI 702271 project. Per your request, sample ID D17-ESW-1:4.5' has been amended to D17-ESW-1:4.5.

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, Josh Bernthal, Eric Koltes
EPI0221R.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.

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www.friedmanandbruya.com

February 21, 2017

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

RE: 65112.3, F&BI 702271

Dear Ms Wing:

Included are the results from the testing of material submitted on February 17, 2017 from the 65112.3, F&BI 702271 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, Josh Bernthal, Eric Koltes
EPI0221R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 17, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702271 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702271 -01	D17-ESW-1:4.5
702271 -02	D15-WSW-1:4.5
702271 -03	E16-B-1:5
702271 -04	F14-WSW-1:3.5
702271 -05	C13-ESW-1:2
702271 -06	A9-SSW-1:3
702271 -07	Trip Blank

All quality control requirements were acceptable.

Date of Report: 02/21/17
Date Received: 02/17/17
Project: 65112.3, F&BI 702271
Date Extracted: 02/17/17
Date Analyzed: 02/17/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
D17-ESW-1:4.5 702271-01	540 x	6,600	113
D15-WSW-1:4.5 702271-02	<50	<250	116
E16-B-1:5 702271-03	<50	<250	109
F14-WSW-1:3.5 702271-04	530 x	6,200	102
C13-ESW-1:2 702271-05	200 x	4,000	105
A9-SSW-1:3 702271-06	<50	<250	102
Method Blank 07-335 MB	<50	<250	107

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	E16-B-1:5	Client:	Environmental Partners
Date Received:	02/17/17	Project:	65112.3, F&BI 702271
Date Extracted:	02/17/17	Lab ID:	702271-03
Date Analyzed:	02/17/17	Data File:	021719.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	89	113
Toluene-d8	104	64	137
4-Bromofluorobenzene	95	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.3, F&BI 702271
Date Extracted:	02/17/17	Lab ID:	07-0272 mb
Date Analyzed:	02/17/17	Data File:	021708.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	89	113
Toluene-d8	101	64	137
4-Bromofluorobenzene	94	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Date of Report: 02/21/17
Date Received: 02/17/17
Project: 65112.3, F&BI 702271

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702271-06 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	118	115	63-146	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	104	79-144

Date of Report: 02/21/17
Date Received: 02/17/17
Project: 65112.3, F&BI 702271

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 702243-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	31	10-91
Chloroethane	mg/kg (ppm)	2.5	<0.5	39	10-101
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	50	11-103
Methylene chloride	mg/kg (ppm)	2.5	<0.5	65	14-128
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	62	13-112
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	63	23-115
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	70	25-120
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	66	22-124
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	68	27-112
Trichloroethene	mg/kg (ppm)	2.5	<0.02	68	30-112
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	74	25-114

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	76	71	42-107	7
Chloroethane	mg/kg (ppm)	2.5	76	73	47-115	4
1,1-Dichloroethene	mg/kg (ppm)	2.5	100	97	65-110	3
Methylene chloride	mg/kg (ppm)	2.5	108	103	50-127	5
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	109	106	71-113	3
1,1-Dichloroethane	mg/kg (ppm)	2.5	105	100	74-109	5
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	110	107	73-110	3
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	99	96	73-111	3
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	115	111	72-116	4
Trichloroethene	mg/kg (ppm)	2.5	106	103	72-107	3
Tetrachloroœthene	mg/kg (ppm)	2.5	110	109	73-111	1

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.

702271

M & 2/17/17 Co_2/US, LM

SAMPLE CHAIN OF CUSTODY

Page # 1 of

Report To Betsy Wing, Josh Bernthal, Eric Koltes

Company EPI

Address 1180 NW Maple St, Suite 310

City, State, ZIP Issaquah, WA 98027

Phone (425) 395-0040 Email betsyw@epi-wa.com, joshb@epi-wa.com, erickk@epi-wa.com

SAMPLERS (signature) Betsy Wing

PROJECT NAME 65112.3

PO # 65112.3

REMARKS Results needed by 10AM 2/20/17

INVOICE TO EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/20/17

Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Archive Samples
- ☐ Other

Sample ID (ID duplicate per BW 2/1/17 MK)	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
D17-ESW-1:4.5	-01	2/17/17	11:20	Soil	1		X										
D15-WSW-1:4.5	-02	2/17/17	11:25	Soil	1		X										
E16-B-1:5	03A-E	2/17/17	1330	Soil	5		X			X							HVOCs only for 8260C
F14-WSW-1:3.5	04	2/17/17	1350	Soil	1		X										
C13-ESW-1:2	05	2/17/17	1400	Soil	1		X										
A9-SSW-1:3	06	2/17/17	1420	Soil	1		X										
Trip Blank	07A-B	NA	NA	water	2												- Hold

ANALYSES REQUESTED

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Betsy Wing	Betsy Wing	EPI	2/17/17	1450
Received by:		VINT	EPI	2/17/17	1450
Relinquished by:					
Received by:					

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

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 10, 2017

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

RE: 65112.3, F&BI 702288

Dear Mr Koltes:

Included is the amended report from the testing of material submitted on February 20, 2017 from the 65112.3, F&BI 702288 project. Per your request, the sample IDs have been updated.

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: Betsy Wing, Josh Bernthal
EPI0222R.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.

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www.friedmanandbruya.com

February 22, 2017

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

RE: 65112.3, F&BI 702288

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 20, 2017 from the 65112.3, F&BI 702288 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: Betsy Wing, Josh Bernthal
EPI0222R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 20, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702288 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702288-01	D17-ESW-2:4.5
702288-02	K17-NSW-1:4
702288-03	K15-WSW-1:3.5

All quality control requirements were acceptable.

Date of Report: 02/22/17
Date Received: 02/20/17
Project: 65112.3, F&BI 702288
Date Extracted: 02/20/17
Date Analyzed: 02/20/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
D17-ESW-2:4.5 702288-01	510 x	4,700	108
K17-NSW-1:4 702288-02	<50	<250	106
K15-WSW-1:3.5 702288-03	<50	<250	98
Method Blank 07-339 MB	<50	<250	105

Date of Report: 02/22/17
Date Received: 02/20/17
Project: 65112.3, F&BI 702288

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702231-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	107	111	73-135	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	107	74-139

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.

702288

SAMPLE CHAIN OF CUSTODY

ME 02/20/17 C01

Page # 1 of 1

Report To Betsy Josh Eric Wing, Bertrand, Kelles

Company EPI

Address 1180 NW Maple St, Suite 310

City, State, ZIP Issaquah, WA 98027

Phone (425) 395-0049 Email betsyw@epi-wa.com, joshb@epi-wa.com, ericke@epi-wa.com

SAMPLERS (*signature*)

PROJECT NAME: 65112.3

PO #: 65112.3

REMARKS: Results by 10AM 2/21/17

INVOICE TO: EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH results by 10AM 2/21
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
DP17-ESW-1:4.5 (2:4.5)	01	2/20/17	1406	Soil	1		X										
KP17-NSW-1:4	02		1340	Soil	1		X										
KP15-WSW-1:3.5	03		1348	Soil	1		X										
update depths BW 3/1/17 +3/6/17 mg																	
													Samples received at 4 °C				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/20/17	1420
Received by:	VINH	FBI	2/20/17	1420
Relinquished by:				
Received by:				

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

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

March 7, 2017

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

RE: 65112.3, F&BI 702289

Dear Mr Koltes:

Included is the amended report from the testing of material submitted on February 20, 2017 from the 65112.3, F&BI 702289 project. There are 4 pages included in this report. Per your request, the sample ID B13-B-1:3.4 has been amended to C13-B-1:3.4.

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, Betsy Wing
EPI0222R.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.

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fbi@isomedia.com
www.friedmanandbruya.com

February 22, 2017

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

RE: 65112.3, F&BI 702289

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 20, 2017 from the 65112.3, F&BI 702289 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, Josh Bernthal, Betsy Wing
EPI0222R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 20, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702289 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702289 -01	C13-B-1:3.4
702289 -02	B13-SSW-1:2
702289 -03	C14-ESW-1:2
702289 -04	B14-ESW-1:2

All quality control requirements were acceptable.

Date of Report: 02/22/17
Date Received: 02/20/17
Project: 65112.3, F&BI 702289
Date Extracted: 02/21/17
Date Analyzed: 02/21/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
C13-B-1:3.4 702289-01	380 x	4,700	121
B13-SSW-1:2 702289-02	110 x	2,600	118
C14-ESW-1:2 702289-03	300 x	3,500	110
B14-ESW-1:2 702289-04	85 x	2,200	111
Method Blank 07-339 MB2	<50	<250	127

Date of Report: 02/22/17
Date Received: 02/20/17
Project: 65112.3, F&BI 702289

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702231-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	107	111	73-135	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	107	74-139

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.

702289

SAMPLE CHAIN OF CUSTODY ME 2/20/17

Page # ____ of 001

Report To Betsy Wing, Josh Bernthal, Eric Koltes

Company EPI

Address 1180 NW Maple St Suite 310

City, State, ZIP Issaquah, WA

Phone (425) 395-0840 Email betsyw@epi-wa.com, joshb@epiwa.com, erick@epi-wa.com

SAMPLERS (*signature*): Betsy Wing

PROJECT NAME: 65112.3

PO #: 65112.3

REMARKS: Results by 10AM 2/20/17

INVOICE TO: EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 2/10 10AM 2/21/17
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID (ID update per BW 3/1/17 mg.)	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
C B13-B-1:3.4	01	2/20/17	1505	Soil	1		X										
B13-SSW-1:2	02	2/20/17	1455	Soil	1		X										
C14-ESW-1:2	03	2/20/17	1447	Soil	1		X										
B14-ESW-1:2	04	2/20/17	1440	Soil	1		X										

ANALYSES REQUESTED

plas received at 4 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/20/17	1640
Received by:	Matt Langstraat	FBInc	2/20/17	1640
Relinquished by:				
Received by:				

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Ph. (206) 285-8282

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

March 7, 2017

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

RE: 65112.3, F&BI 702314

Dear Mr Koltes:

Included is the amended report from the testing of material submitted on February 21, 2017 from the 65112.3, F&BI 702314 project. Per your request, several sample IDs have been amended.

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, Betsy Wing
EPI0223R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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Eric Young, B.S.

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February 23, 2017

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

RE: 65112.3, F&BI 702314

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 21, 2017 from the 65112.3, F&BI 702314 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, Josh Bernthal, Betsy Wing
EPI0223R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 21, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702314 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702314 -01	D13-NSW-1:2
702314 -02	I12-B-1:5
702314 -03	H15-B-1:5.5
702314 -04	K15-B-1:5.5
702314 -05	F14-B-1:5.5
702314 -06	F14-WSW-2:3.5
702314 -07	G13-WSW-1:3.5
702314 -08	F16-B-1:5
702314 -09	I17-B-1:5.5
702314 -10	I13-WSW-1:3.5
702314 -11	B14-ESW-2:2
702314 -12	C14-ESW-2:2.5
702314 -13	C13-B-2:4.5

All quality control requirements were acceptable.

Date of Report: 02/23/17
Date Received: 02/21/17
Project: 65112.3, F&BI 702314
Date Extracted: 02/21/17
Date Analyzed: 02/21/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
D13-NSW-1:2 702314-01	480 x	5,100	118
I12-B-1:5 702314-02	<50	<250	123
H15-B-1:5.5 702314-03	<50	<250	116
K15-B-1:5.5 702314-04	<50	<250	121
F14-B-1:5.5 702314-05	<50	<250	111
F14-WSW-2:3.5 702314-06	570 x	6,200	123
G13-WSW-1:3.5 702314-07	470 x	4,400	115
F16-B-1:5 702314-08	<50	<250	108
I17-B-1:5.5 702314-09	<50	<250	117
I13-WSW-1:3.5 702314-10	<50	<250	120

Date of Report: 02/23/17
Date Received: 02/21/17
Project: 65112.3, F&BI 702314
Date Extracted: 02/21/17
Date Analyzed: 02/21/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
B14-ESW-2:2 702314-11	160 x	2,100	108
C14-ESW-2:2.5 702314-12	580 x	5,900	114
C13-B-2:4.5 702314-13	310 x	3,700	112
Method Blank 07-368 MB	<50	<250	124

Date of Report: 02/23/17
Date Received: 02/21/17
Project: 65112.3, F&BI 702314

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702307-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	121	108	63-146	11

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	101	79-144

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.

702314 Betsy Josh Eric

SAMPLE CHAIN OF CUSTODY ME 02/21/17

Cov

Page # 1 of 2

Report To Wing, Bentnal, Kelles

Company EPI

Address 1180 NW Maple St., Suite #310

City, State, ZIP Issaquah, WA

Phone (425) 395-0041 Email betsyw@epi-wa.com, josh@epi-wa.com, erick@epi-wa.com

SAMPLERS (signature) Betsy Wing

PROJECT NAME 65112.3

PO # 65112.3

REMARKS Results by 10AM 2/22

INVOICE TO EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/22
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID (IDs updated per BW 3/1/17 mc)	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM				Notes
D E13-NSW-1:2	01	2/21/17	0905	Soil	1		X									
I12-B-1:5	02	2/21/17	0950	Soil	1		X									
H15-B-1:5.5	03	2/21/17	1005	Soil	1		X									
K15-B-1:5.5	04	2/21/17	0957	Soil	1		X									
F14-B-1:5.5	05	2/21/17	1010	Soil	1		X									
F14-WSW-2:3.5	06	2/21/17	1210	Soil	1		X									
G13-WSW-1:3.5	07	2/21/17	1205	Soil	1		X									
F16-B-1:5	08	2/21/17	1245	Soil	1		X									
I17-B-1:5.5	09	2/21/17	1250	Soil	1		X									
~~I13-B-1:5~~ I13-WSW-1.3.5	10	2/21/17	1220	Soil	1		X									

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	1411	2/21/17
Received by:	WNH	FBI	1411	2/21/17
Relinquished by:				
Received by:		Samples received at 4 °C		

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

72314 Betsy Wing, Josh Bertrand, Eric Kulas

SAMPLE CHAIN OF CUSTODY

ME 02/21/17

Cox

Page # 2 of

Report To

Company EPI

Address 1180 NW Maple St, Suite 310

City, State, ZIP Issaquah, WA

Phone (425) 395-0040 Email betsyw@epi-wa.com, josh b@epi-wa.com, eric k@epi-wa.com

SAMPLERS (signature): Betsy Wing

PROJECT NAME: 65112.3

PO #: 65112.3

REMARKS: Results by 10AM 2/22

INVOICE TO: EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/22
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
B14-ESW-2:2	11	2/21/17	1337	Soil	1		X										
C14-ESW-2:2.5	12	2/21/17	1345	Soil	1		X										
C B13-B-2:4.5	13	2/21/17	1403	Soil	1		X										

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	1411	2/21/17
Received by: Josh	Josh	EPI	1411	2/21/17
Relinquished by:				
Received by:		Samples received at 4 °C		

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

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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February 24, 2017

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

RE: 65112.3, F&BI 702317

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 21, 2017 from the 65112.3, F&BI 702317 project. There are 8 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, Betsy Wing
EPI0224R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 21, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702317 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702317 -01	E15-WSW-1:5.5
702317 -02	E16-ESW-1:5.5
702317 -03	G15-NSW-1:5.5
702317 -04	E15-B-1:6

All quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	E15-WSW-1:5.5	Client:	Environmental Partners
Date Received:	02/21/17	Project:	65112.3, F&BI 702317
Date Extracted:	02/21/17	Lab ID:	702317-01
Date Analyzed:	02/21/17	Data File:	022133.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	89	113
Toluene-d8	99	64	137
4-Bromofluorobenzene	97	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	E16-ESW-1:5.5	Client:	Environmental Partners
Date Received:	02/21/17	Project:	65112.3, F&BI 702317
Date Extracted:	02/21/17	Lab ID:	702317-02
Date Analyzed:	02/21/17	Data File:	022134.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	89	113
Toluene-d8	99	64	137
4-Bromofluorobenzene	96	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	0.030

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	G15-NSW-1:5.5	Client:	Environmental Partners
Date Received:	02/21/17	Project:	65112.3, F&BI 702317
Date Extracted:	02/21/17	Lab ID:	702317-03
Date Analyzed:	02/21/17	Data File:	022135.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	89	113
Toluene-d8	101	64	137
4-Bromofluorobenzene	98	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	E15-B-1:6	Client:	Environmental Partners
Date Received:	02/21/17	Project:	65112.3, F&BI 702317
Date Extracted:	02/21/17	Lab ID:	702317-04
Date Analyzed:	02/21/17	Data File:	022136.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	89	113
Toluene-d8	99	64	137
4-Bromofluorobenzene	95	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.3, F&BI 702317
Date Extracted:	02/21/17	Lab ID:	07-0343 mb
Date Analyzed:	02/21/17	Data File:	022105.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	89	113
Toluene-d8	104	64	137
4-Bromofluorobenzene	97	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Date of Report: 02/24/17
Date Received: 02/21/17
Project: 65112.3, F&BI 702317

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 702280-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	47	10-91
Chloroethane	mg/kg (ppm)	2.5	<0.5	51	10-101
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	71	11-103
Methylene chloride	mg/kg (ppm)	2.5	<0.5	88	14-128
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	84	13-112
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	81	23-115
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	87	25-120
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	82	22-124
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	94	27-112
Trichloroethene	mg/kg (ppm)	2.5	<0.02	86	30-112
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	96	25-114

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	66	67	42-107	2
Chloroethane	mg/kg (ppm)	2.5	68	70	47-115	3
1,1-Dichloroethene	mg/kg (ppm)	2.5	91	93	65-110	2
Methylene chloride	mg/kg (ppm)	2.5	97	99	50-127	2
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	99	100	71-113	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	95	95	74-109	0
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	99	101	73-110	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	93	94	73-111	1
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	112	112	72-116	0
Trichloroethene	mg/kg (ppm)	2.5	98	99	72-107	1
Tetrachloroethene	mg/kg (ppm)	2.5	109	110	73-111	1

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

Betsy Josh Eric 702317 ME 2/21/17 VSI

Report To Betsy Wing, Bernthal, Koltes

Company EPI

Address 1180 NW Maple St., Suite 310

City, State, ZIP Issaquah, WA

Phone (425) 395-0640 Email betsyw@epi-wa.com, josnb@epi-wa.com, erick@epi-wa.com

SAMPLERS (*signature*): Betsy Wing

PROJECT NAME: 6S112.3

PO #: 6S112.3

REMARKS: Results by 10AM 2/22/17

INVOICE TO: EK

Page # 1 of 1

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/22
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
						ANALYSES REQUESTED											
E15-WSW-1:5.5	01A-D	2/21/17	1455	Soil	4					X							HVOCs only
E16-ESW-1:5.5	02A-D	2/21/17	1510	Soil	4					X							HVOCs only - difficult sample recovery
G15-NSW-1:5.5	03A-D	2/21/17	1535	Soil	4					X							HVOCs only
E15-B-1:6	04A-D	2/21/17	1445	Soil	4					X							HVOCs only
																	4

Notes received at °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/21/17	1653
Received by:	Matt Langdon	FBTAC	2/21/17	1653
Relinquished by:				
Received by:				

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

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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February 24, 2017

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

RE: 65112.3, F&BI 702338

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 22, 2017 from the 65112.3, F&BI 702338 project. There are 9 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, Betsy Wing
EPI0224R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 22, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702338 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702338 -01	J16-B-1:6
702338 -02	I16-SSW-1:5.5
702338 -03	K16-NSW-1:5.5
702338 -04	H18-Hyd-N-1:5.5

All quality control requirements were acceptable.

Date of Report: 02/24/17
Date Received: 02/22/17
Project: 65112.3, F&BI 702338
Date Extracted: 02/22/17
Date Analyzed: 02/22/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
H18-Hyd-N-1:5.5 702338-04	250 x	4,700	104
Method Blank 07-373 MB	<50	<250	97

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	J16-B-1:6	Client:	Environmental Partners
Date Received:	02/22/17	Project:	65112.3, F&BI 702338
Date Extracted:	02/22/17	Lab ID:	702338-01
Date Analyzed:	02/23/17	Data File:	022234.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	89	113
Toluene-d8	102	64	137
4-Bromofluorobenzene	100	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	I16-SSW-1:5.5	Client:	Environmental Partners
Date Received:	02/22/17	Project:	65112.3, F&BI 702338
Date Extracted:	02/22/17	Lab ID:	702338-02
Date Analyzed:	02/23/17	Data File:	022235.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	89	113
Toluene-d8	102	64	137
4-Bromofluorobenzene	99	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	K16-NSW-1:5.5	Client:	Environmental Partners
Date Received:	02/22/17	Project:	65112.3, F&BI 702338
Date Extracted:	02/22/17	Lab ID:	702338-03
Date Analyzed:	02/23/17	Data File:	022236.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	89	113
Toluene-d8	102	64	137
4-Bromofluorobenzene	99	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.3, F&BI 702338
Date Extracted:	02/22/17	Lab ID:	07-0347 mb
Date Analyzed:	02/23/17	Data File:	022233.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	89	113
Toluene-d8	101	64	137
4-Bromofluorobenzene	97	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Date of Report: 02/24/17
Date Received: 02/22/17
Project: 65112.3, F&BI 702338

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702276-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	120	108	73-135	11

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	116	74-139

Date of Report: 02/24/17
Date Received: 02/22/17
Project: 65112.3, F&BI 702338

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 702192-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	40	38	10-91	5
Chloroethane	mg/kg (ppm)	2.5	<0.5	53	51	10-101	4
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	62	58	11-103	7
Methylene chloride	mg/kg (ppm)	2.5	<0.5	89	88	14-128	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	78	76	13-112	3
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	77	77	23-115	0
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	82	82	25-120	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	75	76	22-124	1
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	73	72	27-112	1
Trichloroethene	mg/kg (ppm)	2.5	<0.02	77	77	30-112	0
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	68	68	25-114	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	62	42-107
Chloroethane	mg/kg (ppm)	2.5	71	47-115
1,1-Dichloroethene	mg/kg (ppm)	2.5	86	65-110
Methylene chloride	mg/kg (ppm)	2.5	111	50-127
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	101	71-113
1,1-Dichloroethane	mg/kg (ppm)	2.5	95	74-109
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	99	73-110
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	90	73-111
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	93	72-116
Trichloroethene	mg/kg (ppm)	2.5	93	72-107
Tetrachloroethene	mg/kg (ppm)	2.5	92	73-111

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.

702338

SAMPLE CHAIN OF CUSTODY

ME 02/22/17

VSI/C01

Page # 1 of

Report To Betsy Josh Eric Wing, Bernthal, Koltes

Company EPI

Address 1180 NW Maple St, Suite 310

City, State, ZIP Issaquah, WA 98027

Phone (425) 395-0040 Email betsyw@epi-wa.com joshb@epi-wa.com erickc@epi-wa.com

SAMPLERS (*signature*) Betsy Wing

PROJECT NAME 65112.3

PO # 65112.3

REMARKS Results by 10AM 2/23/17

INVOICE TO EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/23/17

Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
J16-B-1:6	01A-D	2/22/17	1044	Soil	4					X							8260-HVOCs
I16-SSW-1:5.5	02	2/22/17	1102	Soil	4					X							8260-HVOCs
K16-NSW-1:5.5	03	2/22/17	1208	Soil	4					X							8260-HVOCs
H18-Hyd-N-1:5.5	04	2/22/17	1230	soil	1		X										

Samples received at 4 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/22/17	1401
Received by:	VINH	FBI	2/23/17	1401
Relinquished by:				
Received by:				

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

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 10, 2017

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

RE: 65112.3, F&BI 702366

Dear Mr Koltes:

Included is the amended report from the testing of material submitted on February 23, 2017 from the 65112.3, F&BI 702366 project. Per your request, sample ID C17-ESW-2-4.5 was updated to C17-ESW-1:4.5.

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, Josh Bernthal, Betsy Wing
EPI0227R.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
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fbi@isomedia.com
www.friedmanandbruya.com

February 27, 2017

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

RE: 65112.3, F&BI 702366

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 23, 2017 from the 65112.3, F&BI 702366 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, Josh Bernthal, Betsy Wing
EPI0227R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 23, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702366 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702366-01	H18-Hyd-N-2:6.5
702366-02	C17-ESW-1:4.5
702366-03	C16-SSW-1:3.5
702366-04	D15-ESW-1:2.5
702366-05	B15-ESW-1:2.5
702366-06	D16-B-1:5
702366-07	C14-B-1:5
702366-08	B14-SSW-1:3
702366-09	G12-WSW-1:3.5
702366-10	E12-WSW-1:3.5
702366-11	F13-B-1.5.5

All quality control requirements were acceptable.

Date of Report: 02/27/17
Date Received: 02/23/17
Project: 65112.3, F&BI 702366
Date Extracted: 02/23/17
Date Analyzed: 02/23/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
H18-Hyd-N-2:6.5 702366-01	<50	<250	100
C17-ESW-1:4.5 702366-02	<50	<250	96
C16-SSW-1:3.5 702366-03	340 x	4,200	102
D15-ESW-1:2.5 702366-04	370 x	4,600	100
B15-ESW-1:2.5 702366-05	360 x	4,100	100
D16-B-1:5 702366-06	<50	<250	90
C14-B-1:5 702366-07	<50	<250	99
B14-SSW-1:3 702366-08	420 x	4,200	103
G12-WSW-1:3.5 702366-09	240 x	2,900	102
E12-WSW-1:3.5 702366-10	470 x	5,000	96

Date of Report: 02/27/17
Date Received: 02/23/17
Project: 65112.3, F&BI 702366
Date Extracted: 02/23/17
Date Analyzed: 02/23/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
F13-B-1.5.5 702366-11	<50	<250	92
Method Blank 07-388 MB	<50	<250	100

Date of Report: 02/27/17
Date Received: 02/23/17
Project: 65112.3, F&BI 702366

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702357-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	10,000	124 b	233 b	73-135	61 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	96	74-139

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.

702306

SAMPLE CHAIN OF CUSTODY

ME 02/23/17 COC

Page # 1 of 2

Report To Betsy Wing, Josh Benstrat, Eric Kolko

Company EPI

Address 1180 NW Maple St, Suite 310

City, State, ZIP Issaquah, WA

Phone (425) 395-0040 Email betsy@epi-nw.com, josh@epi-nw.com, eric@epi-nw.com

SAMPLERS (signature): Betsy Wing

PROJECT NAME: 051123

PO #: 051123

REMARKS: Results by 10AM 2/24/17

INVOICE TO: EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/24/17
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID (DoBU 2/10/17 MC)	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
H18-Hyd-N-2:6.5	01	2/23/17	0855	Soil	1		X										
C17-ESW-1:4.5	02	2/23/17	0910	Soil	1		X										
C16-SSW-1:3.5	03	2/23/17	0945	Soil	1		X										
D15-ESW-1:2.5	04	2/23/17	1135	Soil	1		X										
B15-ESW-1:2.5	05	2/23/17	1127	Soil	1		X										
D16-B-1:5	06	2/23/17	1100	Soil	1		X										
C14-B-1:5	07	2/23/17	1115	Soil	1		X										
B14-SSW-1:3	08	2/23/17	1120	Soil	1		X										
G12-WSW-1:3.5	09	2/23/17	1353	Soil	1		X										
E12-WSW-1:3.5	10	2/23/17	1345	Soil	1		X										

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Betsy Wing	Betsy Wing	EPI	2/23/17	1410
Received by:		VINH	FBI	2/23/17	1416
Relinquished by:					
Received by:			Samples received at	4 °C	

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

702366 Betsy Josh Eric

SAMPLE CHAIN OF CUSTODY ME 02/23/17

COY

Report To Wing Bernival Kolles

Company EPI

Address 1180 NW Maple St, Suite 310

City, State, ZIP Issaquah, WA

Phone (425) 395-0040 Email betsy@epi-nw.com, josh@epi-nw.com, eric@epi-nw.com

SAMPLERS (signature) Betsy Wing

PROJECT NAME 65112.3

PO # 65112.3

REMARKS Results by 10AM 2/24/17

INVOICE TO EK

Page # 2 of 2

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/24/17

Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
F13 - B - 15.5	11	2/23/17	1338	Soil	1		X										
IDuplicate per BW 3/1/17 a.m.																	

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/23/17	1410
Received by:	VINH	FBI	2/23/17	1410
Relinquished by:				
Received by:		Samples received at 4 °C		

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

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 28, 2017

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

RE: 65112.3, F&BI 702390

Dear Ms Wing:

Included are the results from the testing of material submitted on February 24, 2017 from the 65112.3, F&BI 702390 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, Josh Bernthal, Eric Koltes
EPI0228R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 24, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702390 -01	A14-SSW-1:3
702390 -02	F11-WSW-1:3.5

All quality control requirements were acceptable.

Date of Report: 02/28/17
Date Received: 02/24/17
Project: 65112.3, F&BI 702390
Date Extracted: 02/24/17
Date Analyzed: 02/24/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
A14-SSW-1:3 702390-01	<50	<250	104
F11-WSW-1:3.5 702390-02	<50	<250	90
Method Blank 07-394 MB	<50	<250	104

Date of Report: 02/28/17
Date Received: 02/24/17
Project: 65112.3, F&BI 702390

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702384-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	94	95	73-135	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	100	74-139

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.

702390 Betsy Josh Eric ME 2/24/17 C01

SAMPLE CHAIN OF CUSTODY

Page # 1 of 1

Report To Wing, Bernthal, Kolles

Company EPI

Address 1180 NW Maple St, Suite 310

City, State, ZIP Issaquah, WA

Phone (425) 395-0040 Email betsyw@epi-wa.com joshb@epi-wa.com erick@epi-wa.com

SAMPLERS (signature) Betsy Wing

PROJECT NAME 65112.3

PO # 65112.3

REMARKS Results by 10AM 2/27/17

INVOICE TO EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/27/17
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
						ANALYSES REQUESTED											
A14-SSW-1.3	01	2/24/17	1045	soil	1		X										
F11-WSW-1.35	02	2/24/17	1154	soil	1		X										

Samples received at 4 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	1330	2/24/17
Received by:	Nhan Phan	FCBI	2/24/17	1330
Relinquished by:				
Received by:				

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Ph. (206) 285-8282

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

March 7, 2017

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

RE: 65112.3, F&BI 702439

Dear Mr Koltes:

Included is the amended report from the testing of material submitted on February 28, 2017 from the 65112.3, F&BI 702439 project. Per your request, sample B16-B-1:5.5 has been amended to C16-B-1:5.5.

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, Betsy Wing, Josh Bernthal
EPI0303R.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.

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www.friedmanandbruya.com

March 3, 2017

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

RE: 65112.3, F&BI 702439

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 28, 2017 from the 65112.3, F&BI 702439 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, Betsy Wing, Josh Bernthal
EPI0303R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 28, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702439 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702439 -01	D18-ESW-1:3
702439 -02	B17-SSW-1:3.5
702439 -03	C16-B-1:5.5

All quality control requirements were acceptable.

Date of Report: 03/03/17
Date Received: 02/28/17
Project: 65112.3, F&BI 702439
Date Extracted: 03/01/17
Date Analyzed: 03/01/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
D18-ESW-1:3 702439-01	<50	<250	102
B17-SSW-1:3.5 702439-02	270 x	3,200	102
C16-B-1:5.5 702439-03	<50	<250	102
Method Blank 07-411 MB	<50	<250	119

Date of Report: 03/03/17
Date Received: 02/28/17
Project: 65112.3, F&BI 702439

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702437-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	87	88	63-146	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	97	79-144

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.

702439

MG 2/28/17 C01

SAMPLE CHAIN OF CUSTODY

Page # 1 of 1

Report To Betsy Wing, Josh Beautrual, Eric Kaltes

Company Environmental Partners Inc

Address 1180 NW Maple St., Suite 310

City, State, ZIP Issaquah, WA

Phone (425) 395-6018 Email betsyw@epiwa.com, jbeautrual@epiwa.com, erick@epiwa.com

SAMPLERS (signature): Betsy Wing

PROJECT NAME: 65112.3

PO #: 65112.3

REMARKS: Results by 10AM 3/1/17

INVOICE TO:

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 3/1/17
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
D18-ESW-1.3	-01	2/28/17	1430	Soil	1		X										
B17-SSW-1:3.5	-02	2/28/17	1445	Soil	1		X										
C B16-B-1:5.5	-03	2/28/17	1500	Soil	1		X										
ID update per BW 3/1/17 MG																	

ANALYSES REQUESTED

Samples received at 2 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/28/17	1610
Received by:	Matt Langstraat	FBI	2/28/17	1610
Relinquished by:				
Received by:				

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

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

July 18, 2017

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

RE: 65112.4, F&BI 707138

Dear Mr Koltes:

Included are the results from the testing of material submitted on July 12, 2017 from the 65112.4, F&BI 707138 project. There are 10 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
EPI0718R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on July 12, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.4, F&BI 707138 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
707138 -01	MW-1
707138 -02	MW-2
707138 -03	MW-3

All quality control requirements were acceptable.

Date of Report: 07/18/17
Date Received: 07/12/17
Project: 65112.4, F&BI 707138
Date Extracted: 07/14/17
Date Analyzed: 07/14/17

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 47-140)
MW-1 707138-01	700 x	520 x	110
MW-2 707138-02	570 x	520 x	84
MW-3 707138-03	530 x	590 x	96
Method Blank 07-1502 MB	<50	<250	93

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW-1	Client:	Environmental Partners
Date Received:	07/12/17	Project:	65112.4, F&BI 707138
Date Extracted:	07/12/17	Lab ID:	707138-01
Date Analyzed:	07/12/17	Data File:	071219.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	101	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW-2	Client:	Environmental Partners
Date Received:	07/12/17	Project:	65112.4, F&BI 707138
Date Extracted:	07/12/17	Lab ID:	707138-02
Date Analyzed:	07/12/17	Data File:	071220.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	101	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW-3	Client:	Environmental Partners
Date Received:	07/12/17	Project:	65112.4, F&BI 707138
Date Extracted:	07/12/17	Lab ID:	707138-03
Date Analyzed:	07/12/17	Data File:	071221.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	102	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.4, F&BI 707138
Date Extracted:	07/12/17	Lab ID:	07-1478 mb
Date Analyzed:	07/12/17	Data File:	071209.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	100	63	127
4-Bromofluorobenzene	102	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Date of Report: 07/18/17
Date Received: 07/12/17
Project: 65112.4, F&BI 707138

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	88	96	61-133	9

Date of Report: 07/18/17
Date Received: 07/12/17
Project: 65112.4, F&BI 707138

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 707120-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<1	138	10-172
Chloromethane	ug/L (ppb)	50	<10	112	25-166
Vinyl chloride	ug/L (ppb)	50	<0.2	112	36-166
Bromomethane	ug/L (ppb)	50	<1	122	47-169
Chloroethane	ug/L (ppb)	50	<1	113	46-160
Trichlorofluoromethane	ug/L (ppb)	50	<1	110	44-165
Acetone	ug/L (ppb)	250	<10	111	10-182
1,1-Dichloroethene	ug/L (ppb)	50	<1	104	60-136
Hexane	ug/L (ppb)	50	<1	111	52-150
Methylene chloride	ug/L (ppb)	50	<5	107	67-132
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	100	74-127
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	106	72-129
1,1-Dichloroethane	ug/L (ppb)	50	<1	105	70-128
2,2-Dichloropropane	ug/L (ppb)	50	<1	113	36-154
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	104	71-127
Chloroform	ug/L (ppb)	50	<1	101	65-132
2-Butanone (MEK)	ug/L (ppb)	250	<10	116	10-129
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	104	69-133
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	105	60-146
1,1-Dichloropropene	ug/L (ppb)	50	<1	105	69-133
Carbon tetrachloride	ug/L (ppb)	50	<1	105	56-152
Benzene	ug/L (ppb)	50	<0.35	104	76-125
Trichloroethene	ug/L (ppb)	50	<1	101	66-135
1,2-Dichloropropane	ug/L (ppb)	50	<1	105	78-125
Bromodichloromethane	ug/L (ppb)	50	<1	106	61-150
Dibromomethane	ug/L (ppb)	50	<1	104	66-141
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	111	10-185
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	108	72-132
Toluene	ug/L (ppb)	50	<1	98	76-122
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	105	76-130
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	100	68-131
2-Hexanone	ug/L (ppb)	250	<10	109	10-185
1,3-Dichloropropane	ug/L (ppb)	50	<1	104	71-128
Tetrachloroethene	ug/L (ppb)	50	<1	102	10-226
Dibromochloromethane	ug/L (ppb)	50	<1	103	70-139
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	104	69-134
Chlorobenzene	ug/L (ppb)	50	<1	98	77-122
Ethylbenzene	ug/L (ppb)	50	<1	99	69-135
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	102	73-137
m,p-Xylene	ug/L (ppb)	100	<2	98	69-135
o-Xylene	ug/L (ppb)	50	<1	100	60-140
Styrene	ug/L (ppb)	50	<1	103	71-133
Isopropylbenzene	ug/L (ppb)	50	<1	98	65-142
Bromoform	ug/L (ppb)	50	<1	103	65-142
n-Propylbenzene	ug/L (ppb)	50	<1	97	58-144
Bromobenzene	ug/L (ppb)	50	<1	101	75-124
1,3,5-Trimethylbenzene	ug/L (ppb)	50	<1	97	66-137
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	105	51-154
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	100	53-150
2-Chlorotoluene	ug/L (ppb)	50	<1	97	66-127
4-Chlorotoluene	ug/L (ppb)	50	<1	99	65-130
tert-Butylbenzene	ug/L (ppb)	50	<1	97	65-137
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<1	98	59-146
sec-Butylbenzene	ug/L (ppb)	50	<1	97	64-140
p-Isopropyltoluene	ug/L (ppb)	50	<1	97	65-141
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	100	72-123
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	97	69-126
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	97	69-128
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	102	32-164
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	97	66-136
Hexachlorobutadiene	ug/L (ppb)	50	<1	95	60-143
Naphthalene	ug/L (ppb)	50	<1	101	44-164
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	99	69-148

Date of Report: 07/18/17
Date Received: 07/12/17
Project: 65112.4, F&BI 707138

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	145	147	25-158	1
Chloromethane	ug/L (ppb)	50	107	112	45-156	5
Vinyl chloride	ug/L (ppb)	50	111	113	50-154	2
Bromomethane	ug/L (ppb)	50	126	127	55-143	1
Chloroethane	ug/L (ppb)	50	113	112	58-146	1
Trichlorofluoromethane	ug/L (ppb)	250	112	113	50-150	1
Acetone	ug/L (ppb)	250	110	108	53-131	2
1,1-Dichloroethene	ug/L (ppb)	50	106	106	67-136	0
Hexane	ug/L (ppb)	50	122	113	57-137	8
Methylene chloride	ug/L (ppb)	50	107	107	39-148	0
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	103	104	64-147	1
trans-1,2-Dichloroethene	ug/L (ppb)	50	106	105	68-128	1
1,1-Dichloroethane	ug/L (ppb)	50	105	105	79-121	0
2,2-Dichloropropane	ug/L (ppb)	50	108	118	55-143	9
cis-1,2-Dichloroethene	ug/L (ppb)	50	104	104	80-123	0
Chloroform	ug/L (ppb)	50	101	100	80-121	1
2-Butanone (MEK)	ug/L (ppb)	250	113	110	57-149	3
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	102	103	73-132	1
1,1,1-Trichloroethane	ug/L (ppb)	50	108	108	83-130	0
1,1-Dichloropropene	ug/L (ppb)	50	106	106	77-129	0
Carbon tetrachloride	ug/L (ppb)	50	109	109	75-158	0
Benzene	ug/L (ppb)	50	104	104	69-134	0
Trichloroethene	ug/L (ppb)	50	101	101	80-120	0
1,2-Dichloropropane	ug/L (ppb)	50	106	105	77-123	1
Bromodichloromethane	ug/L (ppb)	50	107	106	81-133	1
Dibromomethane	ug/L (ppb)	50	103	104	82-125	1
4-Methyl-2-pentanone	ug/L (ppb)	250	108	107	65-138	1
cis-1,3-Dichloropropene	ug/L (ppb)	50	107	106	82-132	1
Toluene	ug/L (ppb)	50	98	97	72-122	1
trans-1,3-Dichloropropene	ug/L (ppb)	50	104	102	80-136	2
1,1,2-Trichloroethane	ug/L (ppb)	50	99	99	75-124	0
2-Hexanone	ug/L (ppb)	250	105	105	60-136	0
1,3-Dichloropropane	ug/L (ppb)	50	102	102	76-126	0
Tetrachloroethene	ug/L (ppb)	50	103	102	76-121	1
Dibromochloromethane	ug/L (ppb)	50	103	103	84-133	0
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	105	104	82-125	1
Chlorobenzene	ug/L (ppb)	50	97	97	83-114	0
Ethylbenzene	ug/L (ppb)	50	99	99	77-124	0
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	102	103	84-127	1
m,p-Xylene	ug/L (ppb)	100	97	98	83-125	1
o-Xylene	ug/L (ppb)	50	99	101	81-121	2
Styrene	ug/L (ppb)	50	101	102	84-119	1
Isopropylbenzene	ug/L (ppb)	50	98	99	85-117	1
Bromoform	ug/L (ppb)	50	102	99	74-136	3
n-Propylbenzene	ug/L (ppb)	50	95	97	74-126	2
Bromobenzene	ug/L (ppb)	50	97	100	80-121	3
1,3,5-Trimethylbenzene	ug/L (ppb)	50	95	98	78-123	3
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	100	105	66-126	5
1,2,3-Trichloropropane	ug/L (ppb)	50	95	98	67-124	3
2-Chlorotoluene	ug/L (ppb)	50	94	97	77-127	3
4-Chlorotoluene	ug/L (ppb)	50	95	98	78-128	3
tert-Butylbenzene	ug/L (ppb)	50	95	99	80-123	4
1,2,4-Trimethylbenzene	ug/L (ppb)	50	95	99	79-122	4
sec-Butylbenzene	ug/L (ppb)	50	97	99	80-125	2
p-Isopropyltoluene	ug/L (ppb)	50	95	98	81-123	3
1,3-Dichlorobenzene	ug/L (ppb)	50	95	100	85-116	5
1,4-Dichlorobenzene	ug/L (ppb)	50	93	97	84-121	4
1,2-Dichlorobenzene	ug/L (ppb)	50	94	98	85-116	4
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	97	101	57-141	4
1,2,4-Trichlorobenzene	ug/L (ppb)	50	94	97	72-130	3
Hexachlorobutadiene	ug/L (ppb)	50	96	96	53-141	0
Naphthalene	ug/L (ppb)	50	94	99	64-133	5
1,2,3-Trichlorobenzene	ug/L (ppb)	50	94	97	65-136	3

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.

707138

ME 07-12-17 cos 1 VW 2

SAMPLE CHAIN OF CUSTODY

Page # 1 of 1

Report To Eric Koltes

Company Environmental Partners, Inc.

Address 1180 NW Maple St

City, State, ZIP Issaquah, WA 98027

Phone (425) 395-0010 Email erick@epi-wa.com
betsyw@epi-wa.com

SAMPLERS (*signature*)	
Betsy Wing	
PROJECT NAME Meeker Square Property 65112.4	PO # 65112.4
REMARKS standard 5 day TAT	INVOICE TO EK

TURNAROUND TIME
- [X] Standard Turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Dispose after 30 days
- [X] Archive Samples
- [ ] Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
MW-1	01AD	7/12/17	1220	H_2O	4		X			X							
MW-2	02AD	7/12/17	1115	H_2O	4		X			X							
MW-3	03AD	7/12/17	1015	H_2O	4		X			X							
													Samples received at 3 °C				

ANALYSES REQUESTED

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	7/12/17	1449
Received by: Nhan Phan	Nhan Phan	FEBI	7/12/17	1449
Relinquished by:				
Received by:				

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

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

August 4, 2017

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

RE: 65112.4, F&BI 707138

Dear Mr Koltes:

Included are the additional results from the testing of material submitted on July 12, 2017 from the 65112.4, F&BI 707138 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
EPI0804R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on July 12, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.4, F&BI 707138 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
707138-01	MW-1
707138-02	MW-2
707138-03	MW-3

All quality control requirements were acceptable.

Date of Report: 08/04/17
Date Received: 07/12/17
Project: 65112.4, F&BI 707138
Date Extracted: 08/02/17
Date Analyzed: 08/02/17

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx
Sample Extracts Passed Through a Silica Gel Column Prior to Analysis
Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
MW-1 707138-01	270	470	113
MW-2 707138-02	91	<250	108
MW-3 707138-03	<50	<250	96
Method Blank 07-1502 MB	<50	<250	97

Date of Report: 08/04/17
Date Received: 07/12/17
Project: 65112.4, F&BI 707138

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample Silica Gel

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	84	100	63-142	17

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.

707138

ME 07-12-17 cos/pw2

SAMPLE CHAIN OF CUSTODY

Page # 1 of 1

Report To Eric Koltes

Company Environmental Partners, Inc.

Address 1180 NW Maple st

City, State, ZIP Issaquah, WA 98027

Phone (425) 395-0010 Email erick@epi-usa.com betzpw@epi-usa.com

SAMPLERS (signature): Betsy Wing

PROJECT NAME: Maleka Square Property 65112.4

PO # 65112.4

REMARKS: standard 5 day TAT

INVOICE TO: EK

TURNAROUND TIME
- [x] Standard Turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Dispose after 30 days
- [x] Archive Samples
- [ ] Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM	SILICA GEL				Notes
						ANALYSES REQUESTED											
MW-1	01AD	7/12/17	1220	H_2O	4		X			X			✓				V per EK 8/2/17
MW-2	02AD	7/12/17	1115	H_2O	4		X			X			✓				
MW-3	03AD	7/12/17	1015	H_2O	4		X			X			✓				
													Samples received at 3 °C				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	7/12/17	1449
Received by:	Nhan Phan	FCBI	7/12/17	1449
Relinquished by:				
Received by:				

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

Attachment B
Bore Logs

ENVIRONMENTAL PARTNERS INC

BORING ID: B-11

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–6	SM	SANDY SILT; brownish gray; damp.	10		B-11:5	NO	Recon water sample
6–15	ML	SILT; brownish gray; wet.	90 80		B-11:10		
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-12

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–5	SM	SILTY SAND WITH GRAVEL; reddish brown; damp.	50	0 0	B-12:5	NO	Recon water sample
5–15	SM	SANDY SILT; brownish gray; wet.	70 90	0 0 0	B-12:8		
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-13

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–5	SM	SILTY SAND WITH GRAVEL; reddish brown; damp.	90	3.7			
5				3.7	B-13:5		
6–10	ML	SILT; grayish brown; wet.	90	1.1 0.3	B-13:8	NO	Recon water sample
10–15			90	0.3 0			
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-14

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–4	SM	SILTY SAND WITH GRAVEL; reddish brown; damp; minor gravel	60	0			
5–7	SM	SILTY SAND Wet @ 7.5'	60	0 0	B-14:5	NO	Recon water sample
8–14	ML	SANDY SILT	90	0 0	B-14:10		
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-15

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–5	SM	SILTY SAND WITH GRAVEL; reddish brown; damp	90	1	B-15:5		
5–7		wet @ 6'	80	0		NO	Recon water sample
7–15	ML	SANDY SILT; brownish gray; wet	95	0 0	B-15:10		
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-16

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **20**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–5	SM	SILTY SAND WITH GRAVEL; reddish brown; damp; minor gravel	90	0 0	B-16:5		
6–10	ML	SILT WITH SAND; brownish gray; wet	20	0	B-16:10	NO	Recon water sample
10–15			90	0			
15–20			100				
20		End or Borehole					
21–25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-17

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **20**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–5	SM	SILTY SAND WITH GRAVEL; reddish brown; damp; minor gravel	60	0		NO	Recon water sample
6				0	B-17:6		
6–9	ML	SILT WITH SAND; greyish brown; wet.	80	0			
9				0	B-17:10		
10–14			90				
15				0			
16–18			90				
20		End or Borehole					

NOTES: recon water sample B-17

ENVIRONMENTAL PARTNERS INC

BORING ID: B-18

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **20**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–6	SM	SILTY SAND; reddish brown; damp	60	0			
				0.6	B-18:5		
6–20	ML	SANDY SILT; reddish brown; wet	50			NO	Recon water sample
		Brownish gray @ 9'		0	B-18:10		
			80	0			
			100	0			
20		End or Borehole					

NOTES: recon water sample collected

ENVIRONMENTAL PARTNERS INC

BORING ID: B-19

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/J. Sherrod**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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 AND FILL	50			NO	Recon water sample
4	SM	SILTY SAND; brown; damp; trace gravel		0.4	B-19:5		
6	ML	SILT; brown; moist	70	0.8			
10	ML	SANDY SILT; grey; wet	100	0.5	B-19:10		
				0.8			
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-20

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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 AND FILL					
2	ML	SANDY SILT; brown; damp; trace gravel	60				
5				1.2	B-20:5		
6	SM	SILTY SAND; brownish gray; moist	70	0.8		NO	Recon water sample
8		Sand Lense @ 8'					
10				0.2	B-20:10		
12	ML	SANDY SILT; grey; wet	95				
15		End of Borehole		0.4			

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-21

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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 AND CONCRETE					
1	SM	SILTY SAND WITH GRAVEL; reddish brown; damp					
2	ML	SILT; brownish gray; damp	90	0.1			
3							
4		SILT WITH SAND; brownish gray; moist					
5				0.2	B-21:5		
6							
7			50	0.1		NO	Recon water sample
8		Wet @ 8'					
9	ML						
10				0.1	B-21:10		
11							
12			100	0			
13							
14							
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-22

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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 AND FILL					
1	SM	SILTY SAND; reddish brown; damp	70	0.5			
2							
3		Clay lense @ 3'					
4							
5				0	B-22:5		
6		SILT WITH SAND; brownish gray; moist; trace sand	70	0.3		NO	
7	ML						
8		Wet @ 8'					
9							
10				0.3	B-10:10		
11			100				
12				0.2			
13	SP-SM	POORLY-GRADED SAND WITH SILT; brownish gray; moist					
14							
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-23

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL: DECOMMISSIONING MATERIAL: **Bentonite & Asphalt**
LOGGED BY: **J. Sherrod**	TOTAL DEPTH: **15** 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 AND FILL					
1	SP-SM	POORLY-GRADED SAND WITH SILT; brownish gray; damp	60	0.4			
2							
3							
4		Moist @ 4'					
5				0.1	B-23:5		
6	ML	SILTY WITH SAND; gray; moist	90	0.1		NO	Recon water sample
7							
8							
9							
10		Wet @ 10'		0.1	B-23:10		
11							
12			90				
13	SP-SM	POORLY-GRADED SAND WITH SILT; gray		0.2			
14							
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-24

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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							
1	SM	SILTY SAND WITH GRAVEL; grayish brown; damp; well graded; some gravel	90		B-24: 2	NO	
2							
3							
4					B-24: 4		
5		SILTY SAND; grayish brown; wet					
6					B-24: 6		
7			100				
8					B-24: 8		
9							
10	SM				B-24: 10		
11							
12			100				
13							
14							
15		End of Borehole			B-24: 15		
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-25

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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	SM	SILTY SAND WITH GRAVEL; reddish brown; damp					
2			60		B-25:2		
3		SILTY SAND; reddish brown; damp					
4					B-25:4		
5							
6	SM	Wet @ 6'			B-25:6		
7			90				
8		Grayish brown @ 8'			B-25:8		
9							
10		End of Borehole			B-25:10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-26

SITE ADDRESS: **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL: **Bentonite & Asphalt**

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	SM	SILTY SAND WITH GRAVEL; grayish brown; damp	80		B-26: 2	NO	
2							
3							
4					B-26: 4		
5	SP	POORLY-GRADED SAND					
6		SILTY SAND; brownish gray; wet			B-26: 6		
7			90				
8					B-26: 8		
9							
10	SM				B-26: 10		
11							
12			100				
13							
14							
15		End of Borehole			B-26: 15		
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-27

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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		TILL					
2	SM	SILTY SAND; reddish brown; damp	70		B-27: 2		
3							
4					B-27: 4		
5	SP-SM	POORLY-GRADED SAND WITH SILT; reddish brown					
6					B-27: 6		
7		SILTY WITH SAND; brownish gray; wet; trace sand	80			NO	
8					B-27: 8		
9							
10	ML				B-27: 10		
11							
12			100				
13							
14							
15		End of Borehole			B-27: 15		
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-28

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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/FILL					
1							
2	SM	SILTY SAND WITH GRAVEL; grayish brown; damp; some gravel	60		B-28: 2		
3							
4					B-28: 4		
5							
6	ML	SILT WITH SAND; brownish gray; wet	70		B-28: 6	NO	
7							
8					B-28: 8		
9							
10		End of Borehole			B-28:10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-29

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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/FILL					
1	SP	POORLY-GRADED SAND; reddish brown; damp; mostly fine sand with trace silt	60		B-29: 2 B-29: 4		
5							
6	ML	SILT WITH SAND; gray; damp-wet; trace sand	70		B-29: 6 B-29: 8	NO	
8		Wet @ 8'					
10		End of Borehole			B-29: 10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-30

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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/FILL					
1	ML	SILT WITH SAND; grayish brown; damp; some sand	60		B-30: 2	NO	
2							
3	SP	POORLT-GRADED SAND; reddish brown; damp			B-30: 4		
4							
5					B-30: 6		
6	ML	SILT WITH SAND; gray; wet; trace sand	80				
7					B-30: 8		
8							
9							
10		End of Borehole			B-30: 10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-31

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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/FILL					
1	SP	POORLT-GRADED SAND; reddish brown; damp	60		B-31: 2		
2							
3							
4					B-31: 4		
5							
6	SM	SILTY SAND; gray; damp; trace sand			B-31: 6		
7		Wet @ 7'	80			NO	
8					B-31: 8		
9							
10		End of Borehole			B-31: 10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-32

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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/FILL					
1	SM	SILTY SAND WITH GRAVEL; Reddish brown; damp; some gravel	60		B-32: 2	NO	
2							
3							
4	SP	POORLY-GRADED SAND; reddish brown; damp			B-32: 4		
5							
6	ML	SILT WITH SAND; gray; wet	80		B-32: 6		
7							
8					B-32: 8		
9							
10					B-32: 10		
11							
12			90				
13							
14							
15		End of Borehole			B-32: 15		
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-33

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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/FILL					
1	SM	SILTY SAND; reddish brown; damp					
2			70		B-33: 2		
3							
4		Wet @ 4.5', increasing silt			B-33: 4		
5							
6		SILTY SAND; gray; wet			B-33: 6		
7	SM		95			NO	
8					B-33: 8		
9							
10		End of Borehole			B-33: 10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-34

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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/FILL					
1	SM	SILTY SAND WITH GRAVEL; reddish gray; damp; some gravel	80		B-34: 2 B-34: 4		
2							
3							
4							
5					B-34: 6		
6							
7	SM	Silty Sand; gray; wet	100		B-34: 8	NO	
8							
9							
10		End of Borehole			B-34: 10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-35

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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	SM	SILTY SAND WITH GRAVEL; reddish brown; damp	90		B-35: 2	NO	
2							
3							
4					B-35: 4		
5	SM	SILTY SAND; brownish gray; damp Wet at 6'	90		B-35: 6		
6							
7							
8					B-35: 8		
9							
10		End of Borehole			B-35: 10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

Attachment C
Interim Remedial Action Report
Former Meeker Cleaners Site

ENVIRONMENTAL PARTNERS INC

1180 NW Maple Street, Suite 310 Issaquah, Washington 98027 ph 425.395.0010

Interim Remedial Action Report

Former Meeker Cleaners
1301 West Meeker Street
Kent, King County, Washington

Prepared For:

MJR Development
6725 116th Avenue NE, Suite 100
Kirkland, Washington 98033

September 1, 2017

Prepared By:

Environmental Partners, Inc.
1180 NW Maple Street, Suite 310
Issaquah, Washington 98027
(425) 395-0010

Eric Koltes, L.G.
Senior Geologist

Eric Michael Koltes

Betsy Wing
Project Geologist

EPI Project Number: 65112.3

QR _____ TR _____

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ATTACHMENTS

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Attachment B Analytical Reports for Assessment
Attachment C Kent Grading Permit
Attachment D CID Documentation
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Attachment H Waste Disposal Documentation – Petroleum-Contaminated Soil
Attachment I Waste Disposal Documentation – PCE-Contaminated Soil

ABBREVIATIONS AND ACRONYMS

Abbreviation/ Acronym	Definition
bgs	Below ground surface
CAP	Cleanup Action Plan
CID	Contained-in determination
COC	Contaminant of concern
CUL	Cleanup level
DRO	Diesel-range organics
Ecology	Washington State Department of Ecology
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
EPI	Environmental Partners, Inc.
IRA	Interim remedial action
mg/kg	Milligrams per kilogram
MTCA	Model Toxics Control Act
ORO	Oil-range organics
PCE	Tetrachloroethylene
PCS	Petroleum-contaminated soil
RI/FS	Remedial Investigation and Feasibility Study
VC	Vinyl chloride
VCP	Voluntary Cleanup Program
WAC	Washington Administrative Code
SCS	SCS Engineers

1.0 INTRODUCTION

Environmental Partners, Inc. (EPI) is pleased to present this Interim Remedial Action (IRA) Report for the Former Meeker Cleaners, a former dry cleaning facility located at 1301 West Meeker Street in Kent, Washington (subject property, or "Site"; Figure 1). The subject property was previously enrolled in Ecology's Voluntary Cleanup Program (VCP; VCP No. NW0879) due to confirmed release(s) of dry cleaning compounds (i.e., tetrachloroethene, also known as perchloroethylene [PCE], and related breakdown products) to soil and groundwater.

SCS Engineers performed significant remedial activities at the subject property in 2002 for impacts associated with the former dry cleaner activities. These activities included the excavation of approximately 1,500 tons of PCE-impacted soil, which was documented in a report titled *VCP Soil Remediation Report* dated September 2002. At the conclusion of the 2002 remedial activities, a minor quantity of PCE-impacted soil remained in the bottom of the excavation area.

Sometime after the 2002 remedial actions were conducted, the remedial area became re-contaminated by diesel-range and oil-range organics (DRO and ORO) petroleum hydrocarbons, which was first discovered during groundwater sampling event conducted by the Migizi Group, Inc. These sampling efforts were documented in a Technical Memorandum dated September 2014. In 2015, EPI conducted a subsurface investigation to determine the source of the DRO and ORO impacts to groundwater. The resulting investigation demonstrated that ORO was present in soil at concentrations exceeding applicable cleanup levels within the former 2002 excavation area. DRO was detected, but at concentrations less than applicable cleanup levels. This investigation is documented below in Section 1.3.

Based on the results of the 2002 excavation and the 2015 investigation, remedial excavation was determined to be the most efficient means of obtaining a No Further Action (NFA) determination for the former Meeker Cleaners Site from Ecology. Remedial excavation would include soils impacted by both the ORO and PCE. EPI was retained by MJR Development to implement the remedial excavation of contaminated soils at the subject property, in the area of the former Meeker Cleaners Site. The purpose of this report is to document these IRA activities for soil. The remedial action included the excavation and disposal of ORO-impacted soils and PCE-impacted soils.

The IRA activities described herein were intended to bring the Site into compliance with the Model Toxics Control Act (MTCA; Revised Code of Washington [RCW] Chapter 70.105D) and its implementing regulations (Washington Administrative Code [WAC] 173-340; collectively referred to as MTCA) in support of obtaining an NFA opinion letter from the Washington State Department of Ecology (Ecology).

1.1 Site Description

The subject property is located at 1301 West Meeker Street in Kent, Washington, and is identified as King County Parcel No. 543620-0524. The subject property is located in a mixed commercial and multi-family developed area. The subject property is accessible from the south along West Meeker Street. The former Meeker Cleaners dry cleaning facility was situated in the southern portion of the Meeker Square shopping center, along West Meeker Street. A site representation for the subject property is included on Figure 2.

1.2 Previous Environmental Investigations

Previous environmental investigations have been conducted at the Site and are described in detail in the following reports:

- *VCP Soil Remediation Report* prepared by SCS Engineers and dated September 2002 (Soil Excavation Report)
- *Phase I Environmental Site Assessment* prepared by Robinson Noble Saltbush, Inc. and dated November 2005 (RNS Phase I ESA)
- *Technical Memorandum re: Groundwater Sampling* prepared by Migizi Group, Inc. and dated September 8, 2014 (Technical Memorandum)
- *Phase I Environmental Site Assessment* prepared by EPI and dated June 27, 2016 (EPI Phase I ESA)
- *Cleanup Action Plan* prepared by EPI and dated September 2, 2016 (CAP)

1.3 EPI Assessment

In November 2015, EPI conducted a subsurface investigation at the subject property to evaluate the effectiveness of past remedial actions conducted at the Site in 2002; determine the source of DRO and ORO impacts to groundwater identified in the 2014 sampling event (Migizi 2014); and, evaluate the potential for off-Site impacts to the south of the subject property. The work performed at the subject property was part of a larger assessment for multiple sites located at the property during pre-purchase due diligence.

EPI advanced and sampled soil and groundwater from a total of 25 borings (B-11 through B-35) at the subject property to investigate as described above. The locations of the borings are indicated on Figure 3. Completed bore logs for each boring are included in Attachment A. A table of requested analyses is presented in Table 1. Analytical results for soil are presented in Table 2. Copies of the original laboratory reports are included in Attachment B.

The investigation findings are summarized below:

- An area of ORO-impacted soil was observed. The area is impacted from near surface to depths ranging from about 3 to 6 feet below grade. The areas of ORO-impacted soil and depths are displayed on Figure 4. The ORO-impacted areas appear to encompass approximately 1,400 cubic yards and are centered on the 2002 excavation area.

- The 2002 remediation at the Site appears to have been adequately performed for dry cleaning compounds and the majority of the PCE-impacted soil was effectively removed during this work phase. As documented in SCS's report and confirmed during the sampling effort documented herein, a minor amount of PCE-impacted soil remains at the Site in the vicinity of borings B-13 and B-15.

- Groundwater in this area is impacted with DRO, ORO, and vinyl chloride (VC) at the property boundary; however, the impacts do not extend beyond the southern boundary of Meeker Street. Therefore, any remaining groundwater impacts associated with the Former Meeker Cleaners are very limited. An additional groundwater assessment will be conducted at the conclusion of further remedial actions. Groundwater analytical results will be presented in a future Remedial Investigation and Feasibility Study (RI/FS) Report.

1.4 Contaminants of Concern

Contaminants of concern (COCs) were identified for the former Meeker Cleaners Site based upon previous environmental investigations, including the 2015 investigation conducted by EPI. Based upon findings from previous reports and EPI's investigation, ORO and PCE were identified as COCs for soil at the Site.

The cleanup levels (CULs) for soil were evaluated in accordance with MTCA requirements and take into account exposure pathways and receptors based on current and likely future uses of the subject property in the vicinity of the former Meeker Cleaners Site. Only exposure pathways for human receptors were taken into consideration as the Site and surrounding area are currently zoned for commercial use, and will likely remain so into the foreseeable future. Based on these considerations, the MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses (MTCA Method A Soil CULs) were selected as CULs for soil during this IRA. The COC-specific MTCA Method A CULs are listed as follows:

- ORO (2,000 mg/kg)

- PCE (0.05 mg/kg)

A full CUL development will be presented under the future RI/FS report, to be presented under separate cover.

While DRO, ORO, and VC were detected in groundwater at concentrations exceeding CULs in groundwater at the Site, the focus of this IRA is the removal of contaminated soils. Groundwater monitoring is planned to evaluate the effectiveness of the remedial excavation and will be specifically addressed in a pending RI/FS Report.

2.0 OBJECTIVES

The objectives of the IRA documented herein were as follows:

- Remove and properly dispose of soil containing residual PCE concentrations exceeding the selected CULs;
- Remove and properly dispose of soil containing ORO concentrations exceeding the selected CULs; and
- Document IRA activities

3.0 METHODOLOGY

The approach for the remedial action was direct excavation with off-Site disposal of contaminated soils from the impacted area at the subject property. This approach was selected as the most effective for addressing soil impacts observed at the subject property based upon the following:

- Both the depth and lateral extent of impacted soils was limited and well delineated;
- Impacted soils were shallow and readily accessible to direct excavation; and
- Excavation is practicable, highly effective, permanent, and its effectiveness is quantifiable through performance/confirmation sampling.

The following sections detail the specific methods implemented to complete the planned IRA approach.

3.1 Permitting

A Grade and Fill Permit for the IRA was secured by MJR Development. A copy of the Grade and Fill Permit is included in Attachment C.

3.2 Contained-In Determination

EPI requested a “contained-in” determination from Ecology for excavated soils containing PCE, a listed hazardous waste. Under the Washington Dangerous Waste Regulations (WAC 173-303) and the Resource Conservation and Recovery Act (RCRA), the excavated soils containing detectable concentrations of PCE would be categorized as an F002 waste that would require disposal at an approved Subtitle C hazardous waste facility. EPI’s request for a “contained-in determination” was approved by Ecology in a letter dated October 18, 2016 and extended through March 31, 2017 via email. A copy of Ecology’s approval letter and extension email is included in Attachment D.

Through the “contained-in” determination for the Site, the low concentration PCE-impacted soils were exempted from the F002 waste code allowing for their disposal at Roosevelt Regional Municipal Solid Waste Landfill in Roosevelt, Washington, an approved Subtitle D landfill facility. Low concentration in this

case refers to soils with an *in situ* concentration of PCE that is less than 20 times the Toxicity Characteristic threshold (WAC 173-303-090) level of 0.7 mg/kg, or 14 mg/kg (i.e., 20 times 0.7 equals 14 mg/kg).

3.3 Site Preparation

Prior to the commencement of remedial activities, the proposed soil removal areas were marked with white paint and both Public one-call underground utility locating services and certified private utility locator services were used to locate underground utilities at the subject property within and around the area of the planned remedial excavation.

A total of four pre-existing monitoring wells located within the footprint of the remedial excavation area were decommissioned by a licensed professional engineer, as required by Ecology. The Notice of Intent (NOI) to decommission the four pre-existing wells is provided in Attachment E along with the Resource Protection Well Reports required by Ecology.

3.4 Excavation and Soil Handling

Remedial excavation activities were conducted between February 15 and March 1, 2017. Excavation was performed by NYS Enterprises, Inc. (NYS) using a combination of track-mounted excavators and skid steer loaders.

The limits of the remedial excavation were guided by the results from laboratory analysis of samples collected from the excavation sidewalls and bottom as the remedial action progressed. EPI provided oversight and direction to the excavation contractor and performed appropriate performance sampling (refer to Section 3.5 for more details regarding performance sampling).

As mentioned above, a remedial excavation was conducted at the Site in 2002. That remedial excavation occurred to an average depth of 5 to 5.5 feet below grade. The backfill of this original excavation became contaminated with ORO some years later and is the main subject of the IRA documented herein. Therefore, knowing that all soil from 0 to 5.5 feet below grade was remediated prior and no PCE contamination was present within these soils, the first 5 to 5.5 feet of the excavation were disposed as petroleum-contaminated soil (PCS) under a non-hazardous profile.

During this IRA, PCS from 0 to 5.5 feet was direct-loaded into trucks and transported to one of the following facilities for disposal:

- Waste Management's transfer station located on Alaska Street in Seattle, Washington, with ultimate disposal at Waste Management's Subtitle D Landfill located in Arlington, Oregon; or

- Republic Services' transfer station located at 3rd and Lander in Seattle, Washington, with ultimate disposal at Roosevelt Regional Subtitle D Landfill located in Roosevelt, Washington.

The excavation area for PCS is shown on Figure 6.

After the 2002 remediation, only a limited number of prior sampling locations (i.e., two) documented remaining PCE impacts at the Site (E10-5.5 and C10:5). In addition, the 2015 investigation showed two additional locations with trace concentrations of PCE impacts (B-13:5 and B-15:5). These locations are indicated on Figure 6.

It should be noted that after the 2017 remedial excavation, all soils at the 5- to 5.5-foot vertical horizon of the excavation were in compliance with CULs for ORO and no additional vertical excavation was necessary for ORO. The limits of the 2002 excavation were easily observable in the soil type and excavation for PCS was halted at the vertical horizon of the 2002 excavation during the IRA. The only reason for excavation beyond the 5- to 5.5-foot elevation depth was to address the residual PCE impacts.

Therefore, after removing the first 5 to 5.5 feet of soil, the following was implemented:

- Areas were located within the bottom of the 2002 excavation area and the 2015 excavation where sampling indicated low concentrations of PCE remained from 5 to 5.5 feet and potentially deeper.

- Small excavations were performed surrounding the prior sampling points. Figure 8 summarizes the perimeters of the smaller deeper excavations.

- Additional performance samples of sidewalls and bottom limits of the deeper excavation were collected to determine if any residual PCE impacts required additional remediation.

Contaminated soil from the “contained in” excavation area was direct-loaded into a roll-off bin provided by Republic Services. The bin was transported directly to the Roosevelt Regional Subtitle D Landfill located in Roosevelt, Washington. The excavation of the PCE-impacted soil extended to a depth of 6 feet. The final excavation area for the PCE-impacted soils is shown on Figure 8.

3.5 Performance Sampling

Performance sampling was used to demonstrate the attainment of the desired cleanup standards as required in (WAC 173-340-410(b)). Performance sampling is defined in the MTCA cleanup regulation as sampling to “confirm that the interim action or cleanup action has attained cleanup standards…” (WAC 173-340-410(1)(b)). As the remedial excavation progressed at the subject property, performance soil sampling was performed to assess soil conditions, classify soils for disposal, prevent potential human and environmental exposures, and establish compliance with the MTCA Method A Soil CULs for the COCs. Performance sampling at the final terminal limits of the remedial excavation was used to clearly demonstrate attainment.

Performance samples were collected from the sidewalls and bottom of the excavation area. A pre-determined alpha-numeric grid system marked prior to excavation activities, with consecutive letters running south to north and consecutive numbers running west to east, was used for sample identification. Samples were identified using the following scheme:

[Grid Location]-[Direction/Sample Type]-[Sequential Identifier]: Sample Depth

Where:

- Grid Location = A1, B2, C5, etc.
- Direction/Sample Type = NSW – North sidewall sample, SSW – South sidewall sample, ESW – East sidewall sample, WSW – West sidewall sample, and B – Bottom sample
- Sequential Identifier = 1, 2, 3, etc.
- Sample Depth = 2.5, 3, 6, etc. (in feet below grade)

As an example, sample D11-NSW-1:2 was the first sample collected from the north sidewall (NSW) in grid cell D11 and was collected at a depth of 2 feet. Similarly, sample C12-B-1:3 was the first sample collected from the bottom of the excavation within grid cell C12 and was collected at 3 feet.

Performance sidewall samples were collected at an approximate frequency of one sample for every 200 square feet of sidewall at depths representative of exposed sidewall (approximately half way down the exposed wall). This depth interval ranged from 2 feet bgs to 4.5 feet bgs. Performance bottom samples were collected for every 200 to 400 square feet of exposed bottom. Where results indicated soil concentrations greater than the CULs, performance sample locations were over-excavated to remove additional soil, and a follow-up sample was subsequently collected.

Soil samples submitted for volatile organic compound (VOC) analysis were collected according to U. S. Environmental Protection Agency (EPA) Method 5035A and analyzed using EPA Method 8260C. Soil samples submitted for DRO and ORO analyses were collected into 4-ounce glass jars and analyzed using the Northwest Total Petroleum Hydrocarbons as Diesel (NWTPH-Dx) method. Sampling equipment was either single-use or was decontaminated prior to use. All samples were submitted directly to Friedman and Bruya, Inc. in Seattle, Washington, and analyzed on a 24-hour turnaround time basis.

A total of 73 performance soil samples were collected during the excavation. A total of 45 of those samples represent the soil conditions in the final vertical and lateral limits of the remedial excavation. Samples from the terminal limits of the remedial excavation are referred to as “Final” performance samples and represent conditions at the Site after the completion of the IRA; these are used to demonstrate compliance with the MTCA Method A Standard. The locations of all performance samples are indicated on Figures 5 though 8.

A summary of the requested analyses is provided in Table 3.

4.0 FINDINGS

The following sections present the findings of the IRA. Analytical results are included in Table 4 and are depicted on Figures 5 through 8. Copies of the original laboratory reports are included in Attachment F.

4.1 Oil-Range Organics

A total of 66 performance samples were submitted to the analytical laboratory for DRO and ORO analysis. Of the 66 performance samples, 37 samples represent final performance samples. Figure 5 depicts the performance sample locations and analytical results. The excavation limits and final performance samples collected for ORO are depicted on Figure 6.

A total of 37 final performance samples were collected from the limits of the remedial excavation. ORO concentrations ranged from <250 milligrams/kilogram (mg/kg) to 3,200 mg/kg. These data were assessed for compliance with the MTCA Method A Soil Cleanup Level for Unrestricted Land Use as allowed by Section 173-340-740(7) of the MTCA regulation using the guidance presented by Ecology in the *Statistical Guidance for Ecology Project Managers* (Ecology Publication #92-54). The MTCA*Stat* Site Module tool provided by Ecology was also used as part of this analysis.

The dataset of the performance sampling results was analyzed using MTCA*Stat* to provide the true mean and to determine the distribution of the data. The calculated true mean of the data is 325.676 mg/kg. MTCA*Stat* indicated that the data were not to be treated as either normally or lognormally distributed. The MTCA*Stat* report is presented as Attachment G.

As allowed in Statistical Guidance for Ecology Project Managers, the dataset was analyzed using nonparametric statistical methods. Using this method, the one-sided upper 95 percent confidence interval (i.e., UCL95) is 514.8 mg/kg.

The performance sampling dataset for the limits of the remedial excavation therefore comply with the MTCA Method A Soil CUL since:

1. No more than 10 percent of the sample results exceed the 2,000 mg/kg CUL for ORO (i.e., 2 of 37 or 5.4%)

2. No single sample is more than twice the CUL (i.e., maximum concentration is 3,200 mg/kg), and

3. The UCL95 around the true mean is less than the CUL (i.e., the maximum UCL95 using the allowable statistical method is 514.8 mg/kg).

Based upon these performance sampling data, the Site is currently in compliance with the MTCA Method A Soil CUL for ORO of 2,000 mg/kg. Therefore, no further remedial action is required or necessary for ORO.

4.2 Perchloroethylene

A total of seven performance samples were submitted to the laboratory for PCE analysis. All seven of the samples represent final performance samples. Figure 7 depicts the locations where prior investigations and sampling indicated PCE concentrations greater than the MTCA Method A Soil CULs.

Figure 8 depicts the final limits of the 2017 PCE excavation and the final performance sampling locations. Analytical results for these samples demonstrate attainment of the selected MTCA Method A Soil CULs.

4.3 Waste Disposal

Excavated PCS was direct-loaded onto trucks by NYS Construction using a track-mounted excavator and transported to either Waste Management's or Republic Services transfer stations described in Section 3.4.

A total of 2,169.33 tons of non-hazardous soil was disposed from the excavation area under the following waste profile numbers:

- Waste Management – 111997WA – 1,107.42 tons
- Republic Services – LW-1702 – 1,061.91 tons

Copies of landfill disposal weight tickets are included as Attachment H.

A total of 25.23 tons of PCE-impacted soils were excavated and direct-loaded into a roll-off bin and transported to Roosevelt Regional Municipal, Solid Waste Landfill in Roosevelt, Washington, in accordance with the Contained-In Agreement between EPI and Ecology. Copies of the landfill disposal weight tickets for the PCE-impacted soils are included as Attachment I.

5.0 SITE RESTORATION

Following the remedial excavation, the remediation area was backfilled with granular Type 17 soil backfill placed in 1-foot lifts and compacted to meet the requirements of the City of Kent Construction and Grading Permit, and then paved with asphalt.

6.0 CONCLUSIONS

The findings of the IRA conducted at the subject property support the following conclusions:

- ORO-impacted soil was effectively removed from the property and properly disposed. A total of 2,169.33 tons of PCS were removed from the property and disposed at an approved landfill. Confirmation samples collected from the vertical and lateral limits of the excavation indicate that ORO concentrations are in compliance with the MTCA Method A Soil CULs.
- Residual PCE-impacted soil remaining from the 2002 excavation area was removed from the property and properly disposed. A total of 25.23 tons of PCE-impacted soil was removed from the property and disposed under an Ecology-approved CID. CULs for PCE in soil were attained at the lateral and vertical limits of the excavation area. Following removal of ORO- and PCE-impacted soils, previously observed groundwater impacts are expected to attenuate quickly. Impacts to groundwater will be presented in the pending RI/FS and will be addressed through future quarterly monitoring.

7.0 BIBLIOGRAPHY

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Tables

Table 1
Summary of Requested Analyses for Assessment
Interim Remedial Action Report
Former Meeker Cleaners
1301 West Meeker Street, Kent, WA

Sample Location	Sample Type	Sample Depth (feet)	Sample Date	DRO and ORO[a]	VOCs[b]
B-11	Soil	5	10/23/2015	X	X
	Water	NA	11/6/2015	X	X
B-12	Soil	5	10/23/2015	X	X
	Water	NA	11/6/2015	X	X
B-13	Soil	5	10/23/2015	X	X
	Water	NA	11/6/2015	X	X
B-14	Soil	5	11/6/2015	X	X
	Water	NA	11/6/2015	X	X
B-15	Soil	5	10/23/2015	X	X
	Water	NA	11/6/2015	X	X
B-16	Soil	5	10/23/2015	X	X
	Water	NA	11/6/2015	X	X
B-17	Soil	6	10/23/2015	X	X
	Water	NA	11/6/2015	X	X
B-18	Soil	5	10/23/2015	X	X
	Water	NA	11/6/2015	X	X
B-19	Soil	5	11/6/2015	X	X
	Water	NA	11/6/2015	X	X
B-20	Soil	5	11/6/2015	X	X
	Water	NA	11/6/2015	X	X
B-21	Soil	5	11/6/2015	X	--
	Water	NA	11/6/2015	X	--
B-22	Soil	5	11/6/2015	X	--
	Water	NA	11/6/2015	X	--
B-23	Soil	5	11/6/2015	X	--
	Water	NA	11/6/2015	X	--
B-24	Soil	2	11/20/2015	X	--
	Soil	4	11/20/2015	X	--
	Soil	6	11/20/2015	X	--
	Soil	8	11/20/2015	X	--
	Soil	10	11/20/2015	X	--
	Soil	15	11/20/2015	X	--
B-25	Soil	2	11/20/2015	X	--
	Soil	4	11/20/2015	X	--
	Soil	6	11/20/2015	X	--
	Soil	8	11/20/2015	X	--
	Soil	10	11/20/2015	X	--
B-26	Soil	2	11/20/2015	X	--
	Soil	4	11/20/2015	X	--
	Soil	6	11/20/2015	X	--
	Soil	8	11/20/2015	X	--
	Soil	10	11/20/2015	X	--
	Soil	15	11/20/2015	X	--
B-27	Soil	2	11/20/2015	X	--
	Soil	4	11/20/2015	X	--
	Soil	6	11/20/2015	X	--
	Soil	8	11/20/2015	X	--
	Soil	10	11/20/2015	X	--
	Soil	15	11/20/2015	X	--
B-28	Soil	2	11/20/2015	X	--
	Soil	4	11/20/2015	X	--
	Soil	6	11/20/2015	X	--
	Soil	8	11/20/2015	X	--
	Soil	10	11/20/2015	X	--
B-29	Soil	2	11/20/2015	X	--
	Soil	4	11/20/2015	X	--
	Soil	6	11/20/2015	X	--
	Soil	8	11/20/2015	X	--
	Soil	10	11/20/2015	X	--
B-30	Soil	2	11/20/2015	X	--
	Soil	4	11/20/2015	X	--
	Soil	6	11/20/2015	X	--
	Soil	8	11/20/2015	X	--
	Soil	10	11/20/2015	X	--
B-31	Soil	2	11/20/2015	X	--
	Soil	4	11/20/2015	X	--
	Soil	6	11/20/2015	X	--
	Soil	8	11/20/2015	X	--
	Soil	10	11/20/2015	X	--

Table 1
Summary of Requested Analyses for Assessment
Interim Remedial Action Report
Former Meeker Cleaners
1301 West Meeker Street, Kent, WA

Sample Location	Sample Type	Sample Depth (feet)	Sample Date	DRO and ORO[a]	VOCs[b]
B-32	Soil	2	11/20/2015	X	--
	Soil	4	11/20/2015	X	--
	Soil	6	11/20/2015	X	--
	Soil	8	11/20/2015	X	--
	Soil	10	11/20/2015	X	--
	Soil	15	11/20/2015	X	--
B-33	Soil	2	11/20/2015	X	--
	Soil	4	11/20/2015	X	--
	Soil	6	11/20/2015	X	--
	Soil	8	11/20/2015	X	--
	Soil	10	11/20/2015	X	--
B-34	Soil	2	11/20/2015	X	--
	Soil	4	11/20/2015	X	--
	Soil	6	11/20/2015	X	--
	Soil	8	11/20/2015	X	--
	Soil	10	11/20/2015	X	--
B-35	Soil	2	11/20/2015	X	--
	Soil	4	11/20/2015	X	--
	Soil	6	11/20/2015	X	--
	Soil	8	11/20/2015	X	--
	Soil	10	11/20/2015	X	--

Notes:

a Diesel-range (DRO) and Oil-range organics (ORO) analyzed by NWTPH-Dx, unless otherwise noted.

b Volatile organic compounds (VOCs) analyzed by EPA Method 8260C.

-- Not analyzed.

Table 2
Summary of Soil Analytical Results for Assessment (in mg/kg)
EPI Assessment 2015
1301 West Meeker Street, Kent, WA

Sample Location	Sample Depth (feet)	Sample Date	Petroleum Hydrocarbons		Detected VOCs[b]
			DRO[a]	ORO[a]	Tetrachloroethene (PCE)
B-11	5	10/23/2015	<50	<250	<0.025
B-12	5	10/23/2015	<50	<250	<0.025
B-13	5	10/23/2015	**310 x**	**4,000**	**0.072**
B-14	5	11/6/2015	<50	<250	<0.025
B-15	5	10/23/2015	**260 x**	**4,700**	**0.028**
B-16	5	10/23/2015	**300 x**	**3,600**	<0.025
B-17	6	10/23/2015	<50	**870**	<0.025
B-18	5	10/23/2015	<50	<250	<0.025
B-19	5	11/6/2015	<50	<250	<0.025
B-20	5	11/6/2015	<50	<250	<0.025
B-21	5	11/6/2015	<50	<250	--
B-22	5	11/6/2015	<50	<250	--
B-23	5	11/6/2015	<50	<250	--
B-24	2	11/20/2015	**490 x**	**4,200**	--
	4	11/20/2015	**330 x**	**4,800**	--
	6	11/20/2015	<50	<250	--
	8	11/20/2015	<50	<250	--
	10	11/20/2015	<50	<250	--
	15	11/20/2015	<50	<250	--
B-25	2	11/20/2015	<50	<250	--
	4	11/20/2015	<50	<250	--
	6	11/20/2015	<50	<250	--
	8	11/20/2015	<50	<250	--
	10	11/20/2015	<50	<250	--
B-26	2	11/20/2015	**270 x**	**4,300**	--
	4	11/20/2015	**290 x**	**4,600**	--
	6	11/20/2015	<50	<250	--
	8	11/20/2015	<50	<250	--
	10	11/20/2015	<50	<250	--
	15	11/20/2015	<50	<250	--
B-27	2	11/20/2015	<50	<250	--
	4	11/20/2015	<50	<250	--
	6	11/20/2015	<50	<250	--
	8	11/20/2015	<50	<250	--
	10	11/20/2015	<50	<250	--
	15	11/20/2015	<50	<250	--
B-28	2	11/20/2015	**200 x**	**2,600**	--
	4	11/20/2015	<50	<250	--
	6	11/20/2015	<50	<250	--
	8	11/20/2015	<50	<250	--
	10	11/20/2015	<50	<250	--
B-29	2	11/20/2015	<50	<250	--
	4	11/20/2015	<50	<250	--
	6	11/20/2015	<50	<250	--
	8	11/20/2015	<50	<250	--
	10	11/20/2015	<50	<250	--
B-30	2	11/20/2015	<50	<250	--
	4	11/20/2015	<50	<250	--
	6	11/20/2015	<50	<250	--
	8	11/20/2015	<50	<250	--
	10	11/20/2015	<50	<250	--
B-31	2	11/20/2015	<50	<250	--
	4	11/20/2015	<50	<250	--
	6	11/20/2015	<50	<250	--
	8	11/20/2015	<50	<250	--
	10	11/20/2015	<50	<250	--
B-32	2	11/20/2015	**85 x**	**2,200**	--
	4	11/20/2015	<50	<250	--
	6	11/20/2015	<50	<250	--
	8	11/20/2015	<50	<250	--
	10	11/20/2015	<50	<250	--
	15	11/20/2015	<50	<250	--
B-33	2	11/20/2015	<50	<250	--
	4	11/20/2015	<50	<250	--
	6	11/20/2015	<50	**570**	--
	8	11/20/2015	<50	<250	--
	10	11/20/2015	<50	<250	--

Table 2
Summary of Soil Analytical Results for Assessment (in mg/kg)
EPI Assessment 2015
1301 West Meeker Street, Kent, WA

Sample Location	Sample Depth (feet)	Sample Date	Petroleum Hydrocarbons		Detected VOCs[b]
			DRO[a]	ORO[a]	Tetrachloroethene (PCE)
B-34	2	11/20/2015	**180 x**	**2,600**	--
	4	11/20/2015	**200 x**	**2,600**	--
	6	11/20/2015	<50	<250	--
	8	11/20/2015	<50	<250	--
	10	11/20/2015	<50	<250	--
B-35	2	11/20/2015	<50	<250	--
	4	11/20/2015	<50	<250	--
	6	11/20/2015	<50	<250	--
	8	11/20/2015	<50	<250	--
	10	11/20/2015	<50	<250	--
MTCA Method A Soil Cleanup Level for Unrestricted Land Use			**2,000**	**2,000**	**0.05**

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	Diesel-range (DRO) and Oil-range organics (ORO) analyzed by NWTPH-Dx, unless otherwise noted.
b	Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260C.
--	Not analyzed.
Qualfiier:	
x	The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

Table 3
Requested Analyses for Interim Remedial Action
Interim Remedial Action Report
Meeker Square Property
1301 West Meeker Street, Kent, WA

Sample ID	Sample Date	Depth	NWTPH-Dx[a]	VOCs[b]
B12-SSW-1:2	2/15/2017	2	X	--
C12-ESW-1:2	2/15/2017	2	X	--
D12-ESW-1:2	2/15/2017	2	X	--
C12-B-1:3	2/15/2017	3	X	--
D11-B-1:3	2/15/2017	3	X	--
D11-NSW-1:2	2/15/2017	2	X	--
B10-SSW-1:3.5	2/15/2017	3.5	X	--
B9-SSW-1:3	2/15/2017	3	X	--
C7-WSW-1:3	2/15/2017	3	X	--
C11-ESW-1:5.5	2/15/2017	5.5	X	--
D7-WSW-1:4	2/15/2017	4	X	--
D8-NSW-1:4	2/16/2017	4	X	--
D9-NSW-1:3.5	2/16/2017	3.5	X	--
C9-B-1:6	2/16/2017	6	X	--
C10-B-1:7	2/16/2017	7	X	--
G18-Hyd-E-1:3	2/16/2017	3	X	--
F19-ESW-1:3.5	2/16/2017	3.5	X	--
G18-Hyd-W-1:3	2/16/2017	3	X	--
J18-NSW-1:3	2/16/2017	3	X	--
I20-ESW-1:3	2/16/2017	3	X	--
G18-Hyd-N-1:5	2/16/2017	5	X	--
I18-B-1:5	2/16/2017	5	X	--
F18-B-1:5	2/16/2017	5	X	--
D17-ESW-1:4.5	2/17/2017	4.5	X	--
D15-WSW-1:4.5	2/17/2017	4.5	X	--
E16-B-1:5	2/17/2017	5	X	X
F14-WSW-1:3.5	2/17/2017	3.5	X	--
C13-ESW-1:2	2/17/2017	2	X	--
A9-SSW-1:3	2/17/2017	3	X	--
D17-ESW-2:4.5	2/20/2017	4.5	X	--
K17-NSW-1:4	2/20/2017	4	X	--
K15-WSW-1:3.5	2/20/2017	3.5	X	--
C13-B-1:3.4	2/20/2017	3.4	X	--
B13-SSW-1:2	2/20/2017	2	X	--
C14-ESW-1:2	2/20/2017	2	X	--
B14-ESW-1:2	2/20/2017	2	X	--
D13-NSW-1:2	2/21/2017	2	X	--
I12-B-1:5	2/21/2017	5	X	--
H15-B-1:5.5	2/21/2017	5.5	X	--
K15-B-1:5.5	2/21/2017	5.5	X	--
F14-B-1:5.5	2/21/2017	5.5	X	--
F14-WSW-2:3.5	2/21/2017	3.5	X	--
G13-WSW-1:3.5	2/21/2017	3.5	X	--
F16-B-1:5	2/21/2017	5	X	--
I17-B-1:5.5	2/21/2017	5.5	X	--
I13-WSW-1:3.5	2/21/2017	3.5	X	--
B14-ESW-2:2	2/21/2017	2	X	--
C14-ESW-2:2.5	2/21/2017	2.5	X	--
C13-B-2:4.5	2/21/2017	4.5	X	--
E15-WSW-1:5.5	2/21/2017	5.5	--	X
E16-ESW-1:5.5	2/21/2017	5.5	--	X
G15-NSW-1:5.5	2/21/2017	5.5	--	X
E15-B-1:6	2/21/2017	6	--	X
J16-B-1:6	2/22/2017	6	--	X
I16-SSW-1:5.5	2/22/2017	5.5	--	X
K16-NSW-1:5.5	2/22/2017	5.5	--	X
H18-Hyd-N-1:5.5	2/22/2017	5.5	X	
H18-Hyd-N-2:6.5	2/23/2017	6.5	X	
C17-ESW-1-4.5	2/23/2017	4.5	X	
C16-SSW-1:3.5	2/23/2017	3.5	X	
D15-ESW-1:2.5	2/23/2017	2.5	X	
B15-ESW-1:2.5	2/23/2017	2.5	X	
D16-B-1:5	2/23/2017	5	X	
C14-B-1:5	2/23/2017	5	X	
B14-SSW-1:3	2/23/2017	3	X	
G12-WSW-1:3.5	2/23/2017	3.5	X	
E12-WSW-1:3.5	2/23/2017	3.5	X	
F13-B-1:5.5	2/23/2017	5.5	X	
A14-SSW-1:3	2/24/2017	3	X	
F11-WSW-1:3.5	2/24/2017	3.5	X	
D18-ESW-1:3	2/28/2017	3	X	
B17-SSW-1:3.5	2/28/2017	3.5	X	
C16-B-1:5.5	2/28/2017	5.5	X	

Notes:
All samples collected during the February 2017 event analyzed at Friedman & Bruya Inc.
a Analyzed by Method NWTPH-Dx TPHD and NWTPH-Dx Motor Oil.
b Analyzed by EPA Method 8260 reporting only non-halogenated hydrocarbons.
-- Not analyzed.

Table 4
Summary of Soil Analytical Results for Interim Remedial Action (in mg/kg)
Interim Remedial Action Report
Meeker Square Property
1301 West Meeker Street, Kent, WA

Sample ID	Sample Date	Depth	Petroleum Hydrocarbons[a]		VOCs[b]	Final Performance
			DRO	ORO	Tetrachloro-ethene	
B12-SSW-1:2	2/15/2017	2	<50	<250	--	X
C12-ESW-1:2	2/15/2017	2	**130 x**	**2,400**	--	
D12-ESW-1:2	2/15/2017	2	**530 x**	**5,200**	--	
C12-B-1:3	2/15/2017	3	<50	<250	--	X
D11-B-1:3	2/15/2017	3	<50	<250	--	X
D11-NSW-1:2	2/15/2017	2	<50	<250	--	X
B10-SSW-1:3.5	2/15/2017	3.5	<50	<250	--	X
B9-SSW-1:3	2/15/2017	3	**270 x**	**3,700**	--	
C7-WSW-1:3	2/15/2017	3	**110 x**	**2,000**	--	X
C11-ESW-1:5.5	2/15/2017	5.5	<50	<250	--	X
D7-WSW-1:4	2/15/2017	4	<50	<250	--	X
D8-NSW-1:4	2/16/2017	4	<50	<250	--	X
D9-NSW-1:3.5	2/16/2017	3.5	<50	<250	--	X
C9-B-1:6	2/16/2017	6	<50	<250	--	X
C10-B-1:7	2/16/2017	7	<50	<250	--	X
G18-Hyd-E-1:3	2/16/2017	3	**140 x**	**3,300**	--	
F19-ESW-1:3.5	2/16/2017	3.5	<50	<250	--	X
G18-Hyd-W-1:3	2/16/2017	3	<50	<250	--	
J18-NSW-1:3	2/16/2017	3	<50	<250	--	X
I20-ESW-1:3	2/16/2017	3	<50	<250	--	X
G18-Hyd-N-1:5	2/16/2017	5	**130 x**	**3,000**	--	
I18-B-1:5	2/16/2017	5	<50	<250	--	X
F18-B-1:5	2/16/2017	5	<50	<250	--	X
D17-ESW-1:4.5	2/17/2017	4.5	**540 x**	**6,600**	--	
D15-WSW-1:4.5	2/17/2017	4.5	<50	<250	--	
E16-B-1:5	2/17/2017	5	<50	<250	<0.025	X
F14-WSW-1:3.5	2/17/2017	3.5	**530 x**	**6,200**	--	
C13-ESW-1:2	2/17/2017	2	**200 x**	**4,000**	--	
A9-SSW-1:3	2/17/2017	3	<50	<250	--	X
D17-ESW-2:4.5	2/20/2017	4.5	**510 x**	**4,700**	--	
K17-NSW-1:4	2/20/2017	4	<50	<250	--	X
K15-WSW-1:3.5	2/20/2017	3.5	<50	<250	--	X
C13-B-1:3.4	2/20/2017	3.4	**380 x**	**4,700**	--	
B13-SSW-1:2	2/20/2017	2	**110 x**	**2,600**	--	X
C14-ESW-1:2	2/20/2017	2	**300 x**	**3,500**	--	
B14-ESW-1:2	2/20/2017	2	**85 x**	**2,200**	--	
D13-NSW-1:2	2/21/2017	2	**480 x**	**5,100**	--	
I12-B-1:5	2/21/2017	5	<50	<250	--	X
H15-B-1:5.5	2/21/2017	5	<50	<250	--	X
K15-B-1:5.5	2/21/2017	5	<50	<250	--	X
F14-B-1:5.5	2/21/2017	5	<50	<250	--	X
F14-WSW-2:3.5	2/21/2017	3.5	**570 x**	**6,200**	--	
G13-WSW-1:3.5	2/21/2017	3.5	**470 x**	**4,400**	--	
F16-B-1:5	2/21/2017	5	<50	<250	--	X
I17-B-1:5.5	2/21/2017	5	<50	<250	--	X
I13-WSW-1:3.5	2/21/2017	3.5	<50	<250	--	X
B14-ESW-2:2	2/21/2017	2	**160 x**	**2,100**	--	
C14-ESW-2:2.5	2/21/2017	2.5	**580 x**	**5,900**	--	
C13-B-2:4.5	2/21/2017	4.5	**310 x**	**3,700**	--	
E15-WSW-1:5.5	2/21/2017	5.5	--	--	<0.025	X
E16-ESW-1:5.5	2/21/2017	5.5	--	--	**0.03**	X
G15-NSW-1:5.5	2/21/2017	5.5	--	--	<0.025	X
E15-B-1:6	2/21/2017	6	--	--	<0.025	X
J16-B-1:6	2/22/2017	6	--	--	<0.025	X
I16-SSW-1:5.5	2/22/2017	5.5	--	--	<0.025	X
K16-NSW-1:5.5	2/22/2017	5.5	--	--	<0.025	X
H18-Hyd-N-1:5.5	2/22/2017	5.5	**250 x**	**4,700**	--	
H18-Hyd-N-2:6.5	2/23/2017	6.5	<50	<250	--	X
C17-ESW-1:4.5	2/23/2017	4.5	<50	<250	--	
C16-SSW-1:3.5	2/23/2017	3.5	**340 x**	**4,200**	--	
D15-ESW-1:2.5	2/23/2017	2.5	**370 x**	**4,600**	--	
B15-ESW-1:2.5	2/23/2017	2.5	**360 x**	**4,100**	--	
D16-B-1:5	2/23/2017	5	<50	<250	--	X
C14-B-1:5	2/23/2017	5	<50	<250	--	X
B14-SSW-1:3	2/23/2017	3	**420 x**	**4,200**	--	
G12-WSW-1:3.5	2/23/2017	3.5	**240 x**	**2,900**	--	
E12-WSW-1:3.5	2/23/2017	3.5	**470 x**	**5,000**	--	

Table 4
Summary of Soil Analytical Results for Interim Remedial Action (in mg/kg)
Interim Remedial Action Report
Meeker Square Property
1301 West Meeker Street, Kent, WA

Sample ID	Sample Date	Depth	Petroleum Hydrocarbons[a]		VOCs[b]	Final Performance
			DRO	ORO	Tetrachloro-ethene	
F13-B-1:5.5	2/23/2017	1.5	<50	<250	--	X
A14-SSW-1:3	2/24/2017	3	<50	<250	--	X
F11-WSW-1:3.5	2/24/2017	3.5	<50	<250	--	X
D18-ESW-1:3	2/28/2017	3	<50	<250	--	X
B17-SSW-1:3.5	2/28/2017	3.5	**270 x**	**3,200**	--	X
C16-B-1:5.5	2/28/2017	5.5	<50	<250	--	X
MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses[c]			**2,000**	**2,000**	**0.05**	

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 Method NWTPH-Dx TPHD and NWTPH-Dx Motor Oil

b Analyzed by EPA Method 8260 reporting only non-halogenated hydrocarbons

c Model Toxics Control Act (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses from Table 740-1 of Chapter 173-340-900.

-- Sample was not analyzed for this compound.

Compunds:

DRO Diesel-range organics

ORO Oil-range organics

VOCs Volatile organic compounds.

Qualifier:

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

Figures

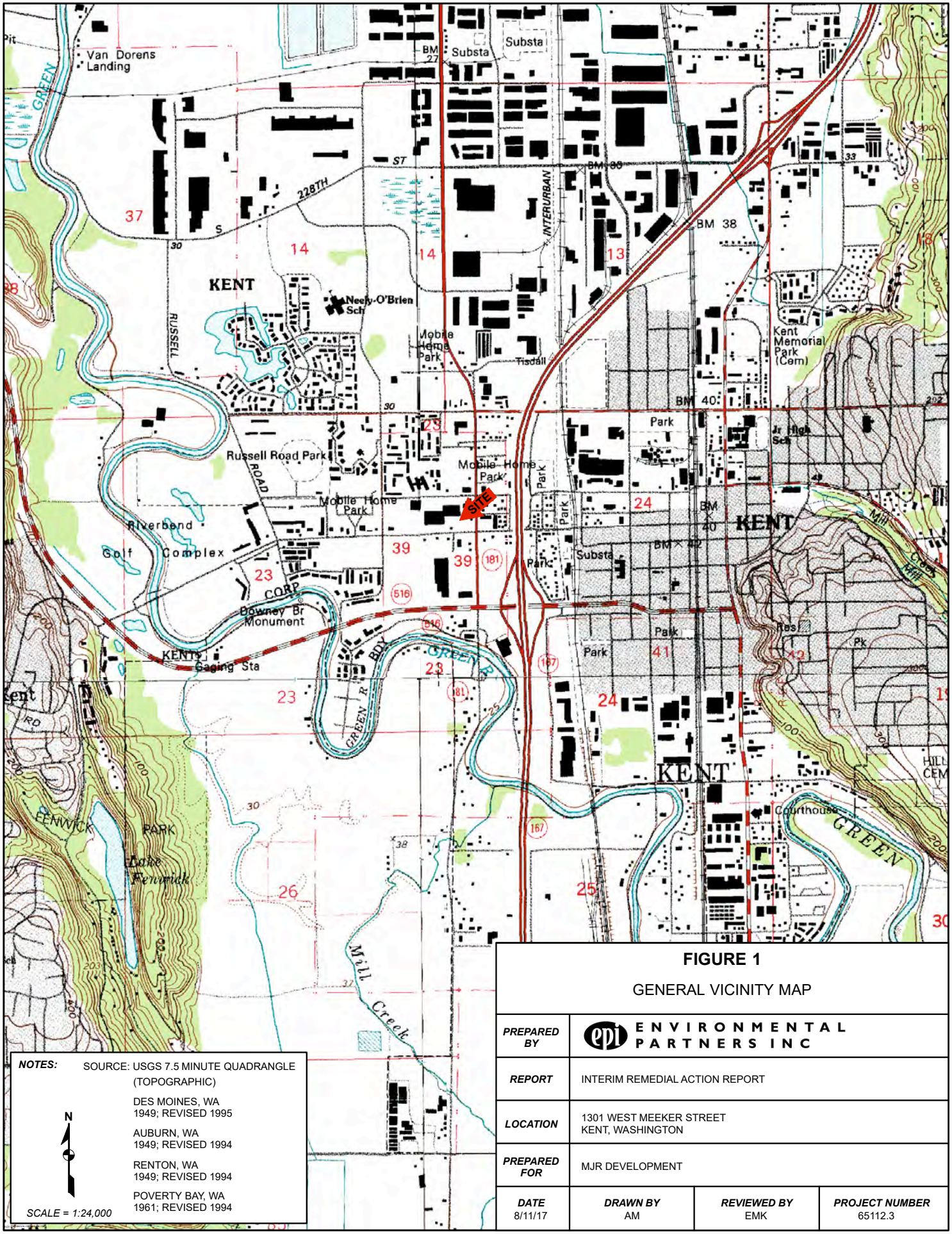

FIGURE 1

GENERAL VICINITY MAP

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	INTERIM REMEDIAL ACTION REPORT		
LOCATION	1301 WEST MEEKER STREET KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 8/11/17	***DRAWN BY*** AM	***REVIEWED BY*** EMK	***PROJECT NUMBER*** 65112.3

FIGURE 2

SITE REPRESENTATION

PREPARED BY	ENVIRONMENTAL PARTNERS INC
REPORT	INTERIM REMEDIAL ACTION REPORT
LOCATION	1301 WEST MEEKER STREET KENT, WASHINGTON
PREPARED FOR	MJR DEVELOPMENT

DATE	***DRAWN BY***	***REVIEWED BY***	***PROJECT NUMBER***
8/11/17	AM	EMK	65112.3

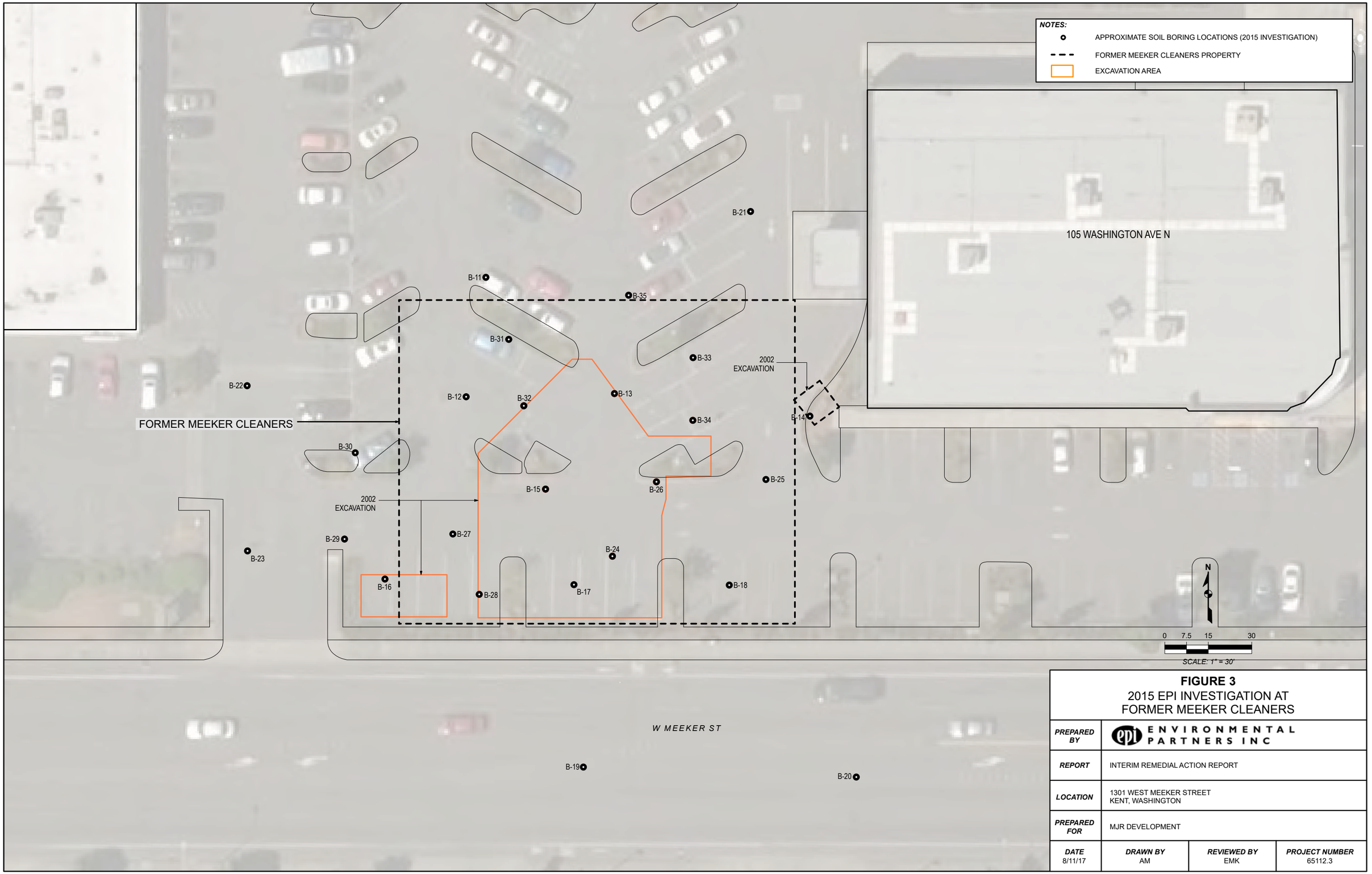

FIGURE 3
2015 EPI INVESTIGATION AT
FORMER MEEKER CLEANERS

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	INTERIM REMEDIAL ACTION REPORT		
LOCATION	1301 WEST MEEKER STREET KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 8/11/17	***DRAWN BY*** AM	***REVIEWED BY*** EMK	***PROJECT NUMBER*** 65112.3

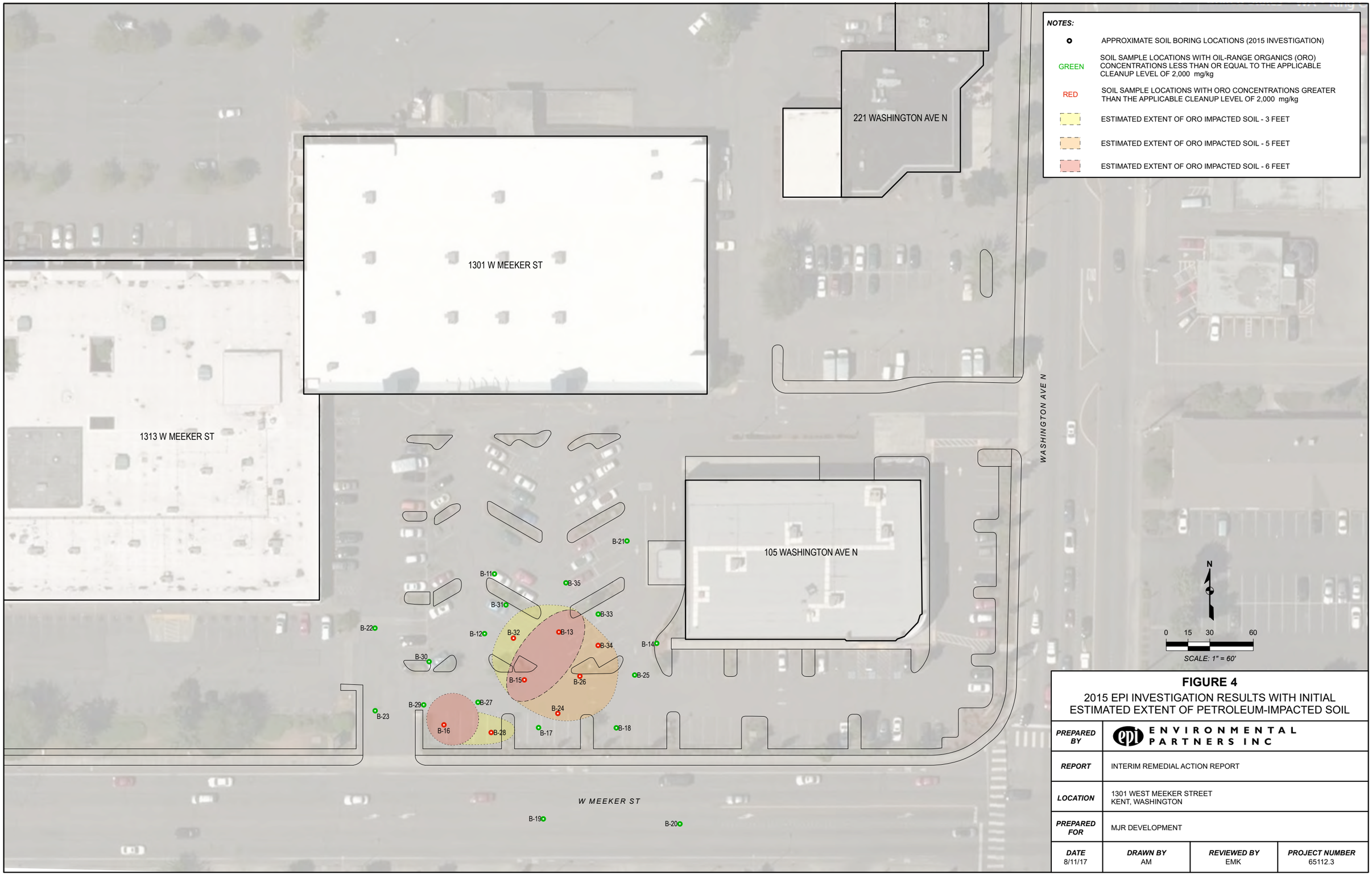

FIGURE 4

2015 EPI INVESTIGATION RESULTS WITH INITIAL ESTIMATED EXTENT OF PETROLEUM-IMPACTED SOIL

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	INTERIM REMEDIAL ACTION REPORT		
LOCATION	1301 WEST MEEKER STREET KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 8/11/17	***DRAWN BY*** AM	***REVIEWED BY*** EMK	***PROJECT NUMBER*** 65112.3

NOTES:

- LIMITS OF EXCAVATION
- PERFORMANCE SIDEWALL SOIL SAMPLE LOCATION WITH OIL-RANGE ORGANICS (ORO) CONCENTRATIONS INDICATED IN mg/kg
- PERFORMANCE BOTTOM SOIL SAMPLE LOCATION WITH ORO CONCENTRATIONS INDICATED IN mg/kg
- B-33 — APPROXIMATE SOIL BORING LOCATIONS (2015 INVESTIGATION)
- GREEN — SOIL SAMPLE LOCATIONS (2017 REMEDIAL EXCAVATION) WITH ORO CONCENTRATIONS LESS THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL OF 2,000 mg/kg
- BLUE — FINAL PERFORMANCE SOIL SAMPLE LOCATIONS (2017 REMEDIAL EXCAVATION) WITH ORO CONCENTRATIONS BETWEEN 2,000 AND 4,000 mg/kg, LEFT IN PLACE, SUBJECT TO SITE-WIDE STATISTICAL ANALYSIS
- RED — SOIL SAMPLE LOCATIONS (2017 REMEDIAL EXCAVATION) WITH ORO CONCENTRATIONS EXCEEDING 4,800 mg/kg, EXCAVATED AND REMOVED AS PART OF INTERIM REMEDIAL ACTION
- A / 1 — 10' x 10' SAMPLING GRID

B-21 B-11 B-35 B-31 B-33 B-22 B-12 B-32 B-13 B-34 B-14 B-30 B-15 B-26 B-25 B-29 B-27 B-24 B-23 B-16 B-28 B-17 B-18

K15-WSW-1:3.5 <250
K15-B-1:5.5 <250
K17-NSW-1:4 <250
J18-NSW-1:3 <250
I13-WSW-1:3.5 <250
I17-B-1:5.5 <250
I12-B-1:5 <250
I18-B-1:5 <250
I20-ESW-1:3 <250
H15-B-1:5.5 <250
H18-HYD-N-2:6.5 <250
H18-HYD-N-1:5.5 4,700
G12-WSW-1:3.5 2,900
G13-WSW-1:3.5 4,400
G18-HYD-N-1:5 3,000
G18-HYD-W-1:3 <250
G18-HYD-E-1:3 3,300
F14-B-1:5.5 <250
F14-WSW-1:3.5 6,200
F19-ESW-1:3.5 <250
F11-WSW-1:3.5 <250
F16-B-1:5 <250
F18-B-1:5 <250
E12-WSW-1:3.5 5,000
F13-B-1:5.5 <250
F14-WSW-2:3.5 6,200
E16-B-1:5 <250
D8-NSW-1:4 <250
D11-NSW-1:2 <250
C13-ESW-1:2 4,000
D17-ESW-1:4.5 6,600
D18-ESW-1:3 <250
D7-WSW-1:4 <250
D9-NSW-1:3.5 <250
D11-B-1:3 <250
D15-WSW-1:4.5 <250
D16-B-1:5 <250
D12-ESW-1:2 5,200
C14-ESW-1:2 4,000
C14-ESW-2:2.5 5,900
D15-ESW-1:2.5 4,600
D17-ESW-2:4.5 4,700
C9-B-1:6 <250
C12-B-1:3 <250
C13-ESW-1:2 4,000
C13-B-2:4.5 3,700
C14-B-1:5 <250
C17-ESW-1:4.5 <250
C10-B-1:7 <250
C11-ESW-1:5.5 <250
C7-WSW-1:3 2,000
C12-ESW-1:2 2,400
C16-B-1:5.5 <250
C16-SSW-1:3.5 4,200
B13-B-1:3.4 4,700
B15-ESW-1:2.5 4,100
B14-ESW-1:2 2,200
B14-ESW-2:2 2,100
B9-SSW-1:3 3,700
B10-SSW-1:3.5 <250
B12-SSW-1:2 <250
B17-SSW-1:3.5 3,200
B14-SSW-1:3 4,400
B13-SSW-1:2 2,600
A9-SSW-1:3 <250
A14-SSW-1:3 <250

W MEEKER ST

N

0 5 10 20

SCALE: 1" = 20'

FIGURE 5

LIMITS OF EXCAVATION WITH PERFORMANCE SAMPLES AND OIL-RANGE ORGANICS ANALYTICAL RESULTS

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	INTERIM REMEDIAL ACTION REPORT		
LOCATION	1301 WEST MEEKER STREET KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 8/11/17	**DRAWN BY** AM	**REVIEWED BY** EMK	**PROJECT NUMBER** 65112.3

NOTES:

- LIMITS OF EXCAVATION
- PERFORMANCE SOIL SAMPLE LOCATION WITH OIL-RANGE ORGANICS (ORO) CONCENTRATIONS INDICATED IN mg/kg
- PERFORMANCE BOTTOM SOIL SAMPLE LOCATION WITH (ORO) CONCENTRATIONS INDICATED IN mg/kg
- B-33 — APPROXIMATE SOIL BORING LOCATIONS (2015 INVESTIGATION)
- GREEN — SOIL SAMPLE LOCATIONS (2017 REMEDIAL EXCAVATION) WITH ORO CONCENTRATIONS LESS THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL OF 2,000 mg/kg
- BLUE — SOIL SAMPLE LOCATIONS (2017 REMEDIAL EXCAVATION) WITH ORO CONCENTRATIONS BETWEEN 2,000 AND 4,000 mg/kg
- A / 1 — 10' x 10' SAMPLING GRID

B-11 B-21 B-35 B-31 B-33 B-22 B-12 B-32 B-13 B-14 B-34 B-30 B-15 B-26 B-25 B-27 B-29 B-23 B-24 B-16 B-28 B-17 B-18

K15-WSW-1:3.5 <250
K15-B-1:5.5 <250
K17-NSW-1:4 <250
J18-NSW-1:3 <250
I13-WSW-1:3.5 <250
I17-B-1:5.5 <250
I12-B-1:5 <250
H15-B-1:5.5 <250
I18-B-1:5 <250
I20-ESW-1:3 <250
H18-HYD-N-2:6.5 <250
F14-B-1:5.5 <250
F19-ESW-1:3.5 <250
F11-WSW-1:3.5 <250
F16-B-1:5 <250
F18-B-1:5 <250
F13-B-1:5.5 <250
E16-B-1:5 <250
D8-NSW-1:4 <250
D11-NSW-1:2 <250
D7-WSW-1:4 <250
D9-NSW-1:3.5 <250
D11-B-1:3 <250
D18-ESW-1:3 <250
D16-B-1:5 <250
C12-B-1:3 <250
C9-B-1:6 <250
C10-B-1:7 <250
C11-ESW-1:5.5 <250
C14-B-1:5 <250
C16-B-1:5.5 <250
C7-WSW-1:3 2,000
B10-SSW-1:3.5 <250
B12-SSW-1:2 <250
B17-SSW-1:3.5 3,200
B13-SSW-1:2 2,600
A9-SSW-1:3 <250
A14-SSW-1:3 <250

W MEEKER ST

N

0 5 10 20

SCALE: 1" = 20'

FIGURE 6

LIMITS OF EXCAVATION WITH FINAL PERFORMANCE SAMPLES AND OIL-RANGE ORGANICS ANALYTICAL RESULTS

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	INTERIM REMEDIAL ACTION REPORT		
LOCATION	1301 WEST MEEKER STREET KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 8/11/17	**DRAWN BY** AM	**REVIEWED BY** EMK	**PROJECT NUMBER** 65112.3

NOTES:

LIMITS OF EXCAVATION

B-13 0.072 — APPROXIMATE SOIL BORING LOCATIONS (2015 INVESTIGATION) WITH DETECTABLE TETRACHLOROETHENE (PCE) CONCENTRATIONS IN MILIGRAMS PER KILOGRAM (mg/kg)

E10-5.5' 0.65 — APPROXIMATE SOIL SAMPLE LOCATIONS (2002 REMEDIAL EXCAVATION) WITH DETECTABLE PCE CONCENTRATIONS IN mg/kg

A / 1 — 10' x 10' SAMPLING GRID

B-13 0.072

B-15 0.028

E10-5.5' 0.65

C10-5' 0.32

W MEEKER ST

N

0 5 10 20

SCALE: 1" = 20'

FIGURE 7

SAMPLING LOCATIONS WHERE PRIOR DATA INDICATED RESIDUAL PCE AT CONCENTRATIONS EXCEEDING THE CLEANUP LEVEL

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	INTERIM REMEDIAL ACTION REPORT		
LOCATION	1301 WEST MEEKER STREET KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 8/11/17	**DRAWN BY** AM	**REVIEWED BY** EMK	**PROJECT NUMBER** 65112.3

NOTES:

- LIMITS OF TETRACHLOROETHENE (PCE) EXCAVATION
- PERFORMANCE SIDEWALL SOIL SAMPLE LOCATION WITH PCE CONCENTRATION in mg/kg
- PERFORMANCE BOTTOM SOIL SAMPLE LOCATION WITH (PCE) CONCENTRATIONS INDICATED IN mg/kg
- APPROXIMATE SOIL BORING LOCATIONS (2015 INVESTIGATION)
- APPROXIMATE SOIL SAMPLE LOCATIONS (2002 REMEDIAL EXCAVATION)
- GREEN — APPROXIMATE SOIL SAMPLE LOCATIONS (2017 REMEDIAL EXCAVATION) WITH PCE CONCENTRATIONS LESS THAN OR EQUAL TO THE APPLICABLE CLEANUP LEVEL
- A / 1 — 10' x 10' SAMPLING GRID
- [E16]-[ESW]:[5.5] — SAMPLE LOCATION; SIDEWALL OR BOTTOM; DEPTH IN INCHES

K16-NSW-1:5.5
<0.025

J16-B-1:6
<0.025

B-13

I16-SSW-1:5.5
<0.025

G15-NSW-1:5.5
<0.025

B-15

E10-5.5'

E15-B-1:6
<0.025

E16-ESW-1:5.5
0.03

E15-WSW-1:5.5
<0.025

C10-5'

W MEEKER ST

N

0 5 10 20

SCALE: 1" = 20'

FIGURE 8

LIMITS OF PCE EXCAVATION WITH
FINAL PERFORMANCE SAMPLING RESULTS

PREPARED BY	ENVIRONMENTAL PARTNERS INC		
REPORT	INTERIM REMEDIAL ACTION REPORT		
LOCATION	1301 WEST MEEKER STREET KENT, WASHINGTON		
PREPARED FOR	MJR DEVELOPMENT		
DATE 8/15/17	**DRAWN BY** AM	**REVIEWED BY** EMK	**PROJECT NUMBER** 65112.3

Attachment A
Bore Logs

ENVIRONMENTAL PARTNERS INC

BORING ID: B-2

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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 AND FILL					
1	SM	SILTY SAND; brown, damp	70	0			
2							
3							
4							
5				0.1	B-2:5		
6		SILT WITH SAND; grayish brown, wet	80	0		NO	Recon water sample
7							
8							
9							
10	ML			0	B-2:10		
11							
12			100				
13				0			
14							
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-3

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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 AND FILL					
1	SM	SILTY SAND; reddish brown; damp	40				
2							
3							
4							
5				0.6	B-3:5		
6	ML	SILT WITH SAND; reddish brown; wet	60				
7							
8				1.1	B-3:8	NO	Recon water sample
9		Brownish gray @ 9'					
10							
11				0.5			
12			100				
13							
14							
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-4

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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 AND FILL					
1	SM	SILTY SAND; reddish brown; damp	50	0.1			
2							
3							
4							
5				0.3			
6			70		B-4:6		
7				0.6			
8		SILT WITH SAND; grayish brown; wet				NO	Recon water sample
9							
10				0.1	B-4:10		
11	ML		100				
12							
13							
14							
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-5

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–1	SM	SILTY SAND WITH GRAVEL; reddish brown; damp; trace gravel.		0			
1–5	SM	SILTY SAND; reddish brown; damp.	60				
5–6				0	B-5:5		
6–10	ML	SANDY SILT; brownish gray; wet.	80	0		NO	Recon water sample
10–15			90	0	B-5:10		
15		End or Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-6

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–5	SM	SILTY SAND; reddish brown; damp.	70	0 0	B-6:5	NO	Recon water sample
6–15	ML	SILT; brownish gray; wet.	80 80	0 0 0	B-6:10		
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-7

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **J. Sherrod**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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 AND FILL					
1	SP	POORLY-GRADED SAND; brownish gray; damp					
2		Clay lense @ 2'	70	1			
3							
4							
5					B-7:5		
6						NO	Recon water sample
7			80	1.4			
8							
9				2.3			
10	SP	POORLY-GRADED SAND WITH SILT; brownish gray, moist Silty Sand lense @ 9.5'		2.2			
11							
12			95	20.1	B-7:12		
13		Wet @ 13'					
14				0.1			
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-9

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **J. Sherrod**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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 AND FILL					
1	SP	SAND; brownish gray, damp	70	0.8			
2							
3							
4							
5		Clay lense @ 5'		0.8	B-9:5		
6	SM	SILTY SAND; reddish gray; moist	80	0.9		NO	Recon water sample
7							
8							
9							
10				0.7	B-9:10		
11		Reddish gray; wet @ 11'	100				
12				0.8			
13							
14							
15		End of Borehole		0.3			
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-10

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Bobcat mounted Powerprobe 9100-SK**	DATE: **11/12/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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/ ASPHALT					
1							
2		SILTY SAND; reddish brown; damp	15				
3							
4	SM						
5					B-10: 5		
6		SANDY SILT; reddish brown; damp					
7			70			NO	Recon Water Sample
8							
9		Wet @ 9' and grayish brown					
10	ML				B-10: 10		
11							
12			90				
13							
14							
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-11

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–6	SM	SANDY SILT; brownish gray; damp.	10		B-11:5	NO	Recon water sample
6–15	ML	SILT; brownish gray; wet.	90 80		B-11:10		
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-12

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–5	SM	SILTY SAND WITH GRAVEL; reddish brown; damp.	50	0 0	B-12:5	NO	Recon water sample
5–15	SM	SANDY SILT; brownish gray; wet.	70 90	0 0 0	B-12:8		
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-13

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–5	SM	SILTY SAND WITH GRAVEL; reddish brown; damp.	90	3.7			
5				3.7	B-13:5		
6–10	ML	SILT; grayish brown; wet.	90	1.1 0.3	B-13:8	NO	Recon water sample
10–15			90	0.3 0			
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-14

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–4	SM	SILTY SAND WITH GRAVEL; reddish brown; damp; minor gravel	60	0			
5–7	SM	SILTY SAND Wet @ 7.5'	60	0 0	B-14:5	NO	Recon water sample
8–14	ML	SANDY SILT	90	0 0	B-14:10		
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-15

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–5	SM	SILTY SAND WITH GRAVEL; reddish brown; damp	90	1	B-15:5		
5–7		wet @ 6'	80	0		NO	Recon water sample
7–15	ML	SANDY SILT; brownish gray; wet	95	0 0	B-15:10		
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-16

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **20**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–5	SM	SILTY SAND WITH GRAVEL; reddish brown; damp; minor gravel	90	0 0	B-16:5		
6–10	ML	SILT WITH SAND; brownish gray; wet	20	0	B-16:10	NO	Recon water sample
10–15			90	0			
15–20			100				
20		End or Borehole					
21–25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-17

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **20**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–5	SM	SILTY SAND WITH GRAVEL; reddish brown; damp; minor gravel	60	0		NO	Recon water sample
6				0	B-17:6		
6–9	ML	SILT WITH SAND; greyish brown; wet.	80	0			
9				0	B-17:10		
10–14			90				
15				0			
16–18			90				
20		End or Borehole					

NOTES: recon water sample B-17

ENVIRONMENTAL PARTNERS INC

BORING ID: B-18

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **10/23/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **20**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

BOREHOLE SIZE:
2"

Depth (feet)	USCS	Description USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other	Interval & % Recovery	PID (ppm)	Sample	Sheen	Notes
0–6	SM	SILTY SAND; reddish brown; damp	60	0			
				0.6	B-18:5		
6–20	ML	SANDY SILT; reddish brown; wet	50			NO	Recon water sample
		Brownish gray @ 9'		0	B-18:10		
			80	0			
			100	0			
20		End or Borehole					

NOTES: recon water sample collected

ENVIRONMENTAL PARTNERS INC

BORING ID: B-19

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/J. Sherrod**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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 AND FILL	50			NO	Recon water sample
4	SM	SILTY SAND; brown; damp; trace gravel		0.4	B-19:5		
6	ML	SILT; brown; moist	70	0.8			
10	ML	SANDY SILT; grey; wet	100	0.5	B-19:10		
				0.8			
15		End of Borehole					

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-20

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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 AND FILL					
2	ML	SANDY SILT; brown; damp; trace gravel	60				
5				1.2	B-20:5		
6	SM	SILTY SAND; brownish gray; moist	70	0.8		NO	Recon water sample
8		Sand Lense @ 8'					
10				0.2	B-20:10		
12	ML	SANDY SILT; grey; wet	95				
15		End of Borehole		0.4			

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-21

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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 AND CONCRETE					
1	SM	SILTY SAND WITH GRAVEL; reddish brown; damp					
2	ML	SILT; brownish gray; damp	90	0.1			
3							
4		SILT WITH SAND; brownish gray; moist					
5				0.2	B-21:5		
6							
7			50	0.1		NO	Recon water sample
8		Wet @ 8'					
9	ML						
10				0.1	B-21:10		
11							
12			100	0			
13							
14							
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-22

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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 AND FILL					
1	SM	SILTY SAND; reddish brown; damp	70	0.5			
2							
3		Clay lense @ 3'					
4							
5				0	B-22:5		
6		SILT WITH SAND; brownish gray; moist; trace sand	70	0.3		NO	
7	ML						
8		Wet @ 8'					
9							
10				0.3	B-10:10		
11			100				
12				0.2			
13	SP-SM	POORLY-GRADED SAND WITH SILT; brownish gray; moist					
14							
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-23

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Geoprobe**	DATE: **11/5/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL: DECOMMISSIONING MATERIAL: **Bentonite & Asphalt**
LOGGED BY: **J. Sherrod**	TOTAL DEPTH: **15** 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 AND FILL					
1	SP-SM	POORLY-GRADED SAND WITH SILT; brownish gray; damp	60	0.4			
2							
3							
4		Moist @ 4'					
5				0.1	B-23:5		
6	ML	SILTY WITH SAND; gray; moist	90	0.1		NO	Recon water sample
7							
8							
9							
10		Wet @ 10'		0.1	B-23:10		
11							
12			90				
13	SP-SM	POORLY-GRADED SAND WITH SILT; gray		0.2			
14							
15		End of Borehole					
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES: recon water sample

ENVIRONMENTAL PARTNERS INC

BORING ID: B-24

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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							
1	SM	SILTY SAND WITH GRAVEL; grayish brown; damp; well graded; some gravel	90		B-24: 2	NO	
2							
3							
4					B-24: 4		
5		SILTY SAND; grayish brown; wet					
6					B-24: 6		
7			100				
8					B-24: 8		
9							
10	SM				B-24: 10		
11							
12			100				
13							
14							
15		End of Borehole			B-24: 15		
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-25

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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	SM	SILTY SAND WITH GRAVEL; reddish brown; damp					
2			60		B-25:2		
3		SILTY SAND; reddish brown; damp					
4					B-25:4		
5							
6	SM	Wet @ 6'			B-25:6		
7			90				
8		Grayish brown @ 8'			B-25:8		
9							
10		End of Borehole			B-25:10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-26

SITE ADDRESS: **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL: **Bentonite & Asphalt**

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	SM	SILTY SAND WITH GRAVEL; grayish brown; damp	80		B-26: 2	NO	
2							
3							
4					B-26: 4		
5	SP	POORLY-GRADED SAND					
6		SILTY SAND; brownish gray; wet			B-26: 6		
7			90				
8					B-26: 8		
9							
10	SM				B-26: 10		
11							
12			100				
13							
14							
15		End of Borehole			B-26: 15		
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-27

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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		TILL					
2	SM	SILTY SAND; reddish brown; damp	70		B-27: 2		
3							
4					B-27: 4		
5	SP-SM	POORLY-GRADED SAND WITH SILT; reddish brown					
6					B-27: 6		
7		SILTY WITH SAND; brownish gray; wet; trace sand	80			NO	
8					B-27: 8		
9							
10	ML				B-27: 10		
11							
12			100				
13							
14							
15		End of Borehole			B-27: 15		
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-28

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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/FILL					
1							
2	SM	SILTY SAND WITH GRAVEL; grayish brown; damp; some gravel	60		B-28: 2		
3							
4					B-28: 4		
5							
6	ML	SILT WITH SAND; brownish gray; wet	70		B-28: 6	NO	
7							
8					B-28: 8		
9							
10		End of Borehole			B-28:10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-29

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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/FILL					
1	SP	POORLY-GRADED SAND; reddish brown; damp; mostly fine sand with trace silt	60		B-29: 2 B-29: 4		
5							
6	ML	SILT WITH SAND; gray; damp-wet; trace sand	70		B-29: 6 B-29: 8	NO	
8		Wet @ 8'					
10		End of Borehole			B-29: 10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-30

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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/FILL					
1	ML	SILT WITH SAND; grayish brown; damp; some sand	60		B-30: 2	NO	
2							
3	SP	POORLT-GRADED SAND; reddish brown; damp			B-30: 4		
4							
5					B-30: 6		
6	ML	SILT WITH SAND; gray; wet; trace sand	80				
7					B-30: 8		
8							
9							
10		End of Borehole			B-30: 10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-31

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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/FILL					
1	SP	POORLT-GRADED SAND; reddish brown; damp	60		B-31: 2		
2							
3							
4					B-31: 4		
5							
6	SM	SILTY SAND; gray; damp; trace sand			B-31: 6		
7		Wet @ 7'	80			NO	
8					B-31: 8		
9							
10		End of Borehole			B-31: 10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-32

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **15**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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/FILL					
1	SM	SILTY SAND WITH GRAVEL; Reddish brown; damp; some gravel	60		B-32: 2	NO	
2							
3							
4	SP	POORLY-GRADED SAND; reddish brown; damp			B-32: 4		
5							
6	ML	SILT WITH SAND; gray; wet	80		B-32: 6		
7							
8					B-32: 8		
9							
10					B-32: 10		
11							
12			90				
13							
14							
15		End of Borehole			B-32: 15		
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-33

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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/FILL					
1	SM	SILTY SAND; reddish brown; damp					
2			70		B-33: 2		
3							
4		Wet @ 4.5', increasing silt			B-33: 4		
5							
6		SILTY SAND; gray; wet			B-33: 6		
7	SM		95			NO	
8					B-33: 8		
9							
10		End of Borehole			B-33: 10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-34

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg/ J. Sherrod**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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/FILL					
1	SM	SILTY SAND WITH GRAVEL; reddish gray; damp; some gravel	80		B-34: 2 B-34: 4		
2							
3							
4							
5					B-34: 6		
6							
7	SM	Silty Sand; gray; wet	100		B-34: 8	NO	
8							
9							
10		End of Borehole			B-34: 10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

ENVIRONMENTAL PARTNERS INC

BORING ID: B-35

SITE ADDRESS **1301 W. Meeker St. Kent, WA**	CLIENT: **MJR**
DRILLING CONTRACTOR: **ESN**	PROJECT #: **65112**
DRILLING EQUIPMENT: **Power Probe 9630**	DATE: **11/20/15**
DRILLING METHOD: **DPT**	GROUND SURFACE ELEV. FT AMSL:
LOGGED BY: **M. Mogg**	TOTAL DEPTH: **10**

DECOMMISSIONING MATERIAL:
Bentonite & Asphalt

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	SM	SILTY SAND WITH GRAVEL; reddish brown; damp	90		B-35: 2	NO	
2							
3							
4					B-35: 4		
5	SM	SILTY SAND; brownish gray; damp Wet at 6'	90		B-35: 6		
6							
7							
8					B-35: 8		
9							
10		End of Borehole			B-35: 10		
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							

NOTES:

Attachment B
Analytical Reports for Assessment

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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October 30, 2015

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

RE: 65112.0, F&BI 510383

Dear Mr. Koltes:

Included are the results from the testing of material submitted on October 26, 2015 from the 65112.0, F&BI 510383 project. There are 30 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, Monica Mogg
EPI1030R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on October 26, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 510383 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
510383 -01	B-17:6
510383 -02	B-17:10
510383 -03	B-17
510383 -04	B-18:5
510383 -05	B-18:10
510383 -06	B-18
510383 -07	B-15:5
510383 -08	B-15:10
510383 -09	B-15
510383 -10	B-13:5
510383 -11	B-13:8
510383 -12	B-13
510383 -13	B-12:5
510383 -14	B-12:8
510383 -15	B-12
510383 -16	B-16:5
510383 -17	B-16:10
510383 -18	B-16
510383 -19	B-11:5
510383 -20	B-11:10
510383 -21	B-11
510383 -22	B-5:5
510383 -23	B-5:10
510383 -24	B-5
510383 -25	B-6:5
510383 -26	B-6:10
510383 -27	B-6

The 8260C trans-1,3-dichloropropene and 2,2-dichloropropane laboratory control sample and laboratory control sample duplicate exceeded the acceptance criteria. These analytes were not detected in the samples, therefore the data were acceptable. In addition, the 8260C dichlorodifluoromethane matrix spike and matrix spike duplicate relative percent difference sample exceeded the acceptance criteria. The laboratory control sample met the acceptance criteria, therefore the results were likely due to matrix effect.

All other quality control requirements were acceptable.

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383
Date Extracted: 10/27/15
Date Analyzed: 10/27/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-17:6 510383-01	<50	870	103
B-18:5 510383-04	<50	<250	90
B-15:5 510383-07	260 x	4,700	98
B-13:5 510383-10	310 x	4,000	97
B-12:5 510383-13	<50	<250	103
B-16:5 510383-16	300 x	3,600	99
B-11:5 510383-19	<50	<250	103
Method Blank 05-2196 MB2	<50	<250	96

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383
Date Extracted: 10/28/15
Date Analyzed: 10/28/15

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
B-17 510383-03	550 x	320 x	96
B-18 510383-06	120 x	<270	78
B-15 510383-09	560 x	500 x	91
B-13 510383-12	170 x	<250	91
B-12 510383-15	98 x	<260	81
B-16 510383-18	280 x	330 x	86
B-11 510383-21	91 x	<250	85
Method Blank 05-2210 MB	<50	<250	91

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-17:6	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-01
Date Analyzed:	10/26/15	Data File:	102621.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	96	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-18:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-04
Date Analyzed:	10/26/15	Data File:	102622.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	95	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-15:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-07
Date Analyzed:	10/26/15	Data File:	102623.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	62	142
Toluene-d8	95	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	0.028
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-13:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-10
Date Analyzed:	10/26/15	Data File:	102624.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	94	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	0.072
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-12:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-13
Date Analyzed:	10/26/15	Data File:	102625.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	62	142
Toluene-d8	96	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-16:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-16
Date Analyzed:	10/26/15	Data File:	102626.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	95	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-11:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-19
Date Analyzed:	10/26/15	Data File:	102627.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	62	142
Toluene-d8	94	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-5:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-22
Date Analyzed:	10/26/15	Data File:	102628.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	97	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-6:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-25
Date Analyzed:	10/26/15	Data File:	102629.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	62	142
Toluene-d8	96	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	05-2159 mb
Date Analyzed:	10/26/15	Data File:	102608.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	96	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-17	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-03
Date Analyzed:	10/26/15	Data File:	102633.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	95	63	127
4-Bromofluorobenzene	98	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	21	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	1.4	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	26	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-18	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-06
Date Analyzed:	10/26/15	Data File:	102634.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	96	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	1.1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-15	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-09
Date Analyzed:	10/26/15	Data File:	102635.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	96	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.95	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	1.8	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-13	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-12
Date Analyzed:	10/26/15	Data File:	102636.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	95	63	127
4-Bromofluorobenzene	99	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	1.8	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-12	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-15
Date Analyzed:	10/26/15	Data File:	102637.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	95	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-16	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-18
Date Analyzed:	10/26/15	Data File:	102638.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	95	63	127
4-Bromofluorobenzene	99	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-11	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-21
Date Analyzed:	10/26/15	Data File:	102639.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	57	121
Toluene-d8	96	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-24
Date Analyzed:	10/26/15	Data File:	102640.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	57	121
Toluene-d8	96	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-6	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-27
Date Analyzed:	10/27/15	Data File:	102641.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	96	63	127
4-Bromofluorobenzene	99	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	05-2158 mb
Date Analyzed:	10/26/15	Data File:	102617.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	98	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 510369-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	210	106	106	63-146	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	114	79-144

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	104	114	63-142	9

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 510385-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	21	16	10-142	27 vo
Chloromethane	mg/kg (ppm)	2.5	<0.5	42	41	10-126	2
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	47	43	10-138	9
Bromomethane	mg/kg (ppm)	2.5	<0.5	57	58	10-163	2
Chloroethane	mg/kg (ppm)	2.5	<0.5	60	55	10-176	9
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	52	48	10-176	8
Acetone	mg/kg (ppm)	12.5	<0.5	72	74	10-163	3
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	61	56	10-160	9
Hexane	mg/kg (ppm)	2.5	<0.25	49	42	10-137	15
Methylene chloride	mg/kg (ppm)	2.5	<0.5	80	80	10-156	0
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	96	91	21-145	5
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	71	66	14-137	7
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	79	75	19-140	5
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	135	126	10-158	7
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	77	73	25-135	5
Chloroform	mg/kg (ppm)	2.5	<0.05	78	75	21-145	4
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	80	80	19-147	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	75	73	12-160	3
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	96	90	10-156	6
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	72	69	17-140	4
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	100	91	9-164	9
Benzene	mg/kg (ppm)	2.5	<0.03	75	72	29-129	4
Trichloroethene	mg/kg (ppm)	2.5	<0.02	75	72	21-139	4
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	85	83	30-135	2
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	85	82	23-155	4
Dibromomethane	mg/kg (ppm)	2.5	<0.05	76	74	23-145	3
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	87	86	24-155	1
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	99	98	28-144	1
Toluene	mg/kg (ppm)	2.5	<0.05	79	80	35-130	1
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	115	117	26-149	2
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	83	84	10-205	1
2-Hexanone	mg/kg (ppm)	12.5	<0.5	89	92	15-166	3
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	84	85	31-137	1
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	82	79	20-133	4
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	99	98	28-150	1
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	98	100	28-142	2
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	83	82	32-129	1
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	83	82	32-137	1
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	108	104	31-143	4
m,p-Xylene	mg/kg (ppm)	5	<0.1	85	83	34-136	2
o-Xylene	mg/kg (ppm)	2.5	<0.05	86	83	33-134	4
Styrene	mg/kg (ppm)	2.5	<0.05	84	84	35-137	0
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	86	83	31-142	4
Bromoform	mg/kg (ppm)	2.5	<0.05	108	105	21-156	3
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	86	83	23-146	4
Bromobenzene	mg/kg (ppm)	2.5	<0.05	87	86	34-130	1
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	88	86	18-149	2
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	88	86	28-140	2
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	89	87	25-144	2
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	86	83	31-134	4
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	85	83	31-136	2
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	89	86	30-137	3
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	86	83	10-182	4
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	88	84	23-145	5
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	87	85	21-149	2
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	86	84	30-131	2
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	85	82	29-129	4
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	87	84	31-132	4
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	118	114	11-161	3
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	85	82	22-142	4
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	94	88	10-142	7
Naphthalene	mg/kg (ppm)	2.5	<0.05	86	83	14-157	4
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	87	84	20-144	4

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	36	10-146
Chloromethane	mg/kg (ppm)	2.5	53	27-133
Vinyl chloride	mg/kg (ppm)	2.5	63	22-139
Bromomethane	mg/kg (ppm)	2.5	72	38-114
Chloroethane	mg/kg (ppm)	2.5	70	10-163
Trichlorofluoromethane	mg/kg (ppm)	2.5	74	10-196
Acetone	mg/kg (ppm)	12.5	85	52-141
1,1-Dichloroethene	mg/kg (ppm)	2.5	77	47-128
Hexane	mg/kg (ppm)	2.5	77	43-142
Methylene chloride	mg/kg (ppm)	2.5	91	42-132
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	109	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	85	67-127
1,1-Dichloroethane	mg/kg (ppm)	2.5	93	68-115
2,2-Dichloropropane	mg/kg (ppm)	2.5	155	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	72-113
Chloroform	mg/kg (ppm)	2.5	91	66-120
2-Butanone (MEK)	mg/kg (ppm)	12.5	94	57-123
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	88	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	113	62-131
1,1-Dichloropropene	mg/kg (ppm)	2.5	88	69-128
Carbon tetrachloride	mg/kg (ppm)	2.5	117	60-139
Benzene	mg/kg (ppm)	2.5	89	68-114
Trichloroethene	mg/kg (ppm)	2.5	88	64-117
1,2-Dichloropropane	mg/kg (ppm)	2.5	100	72-127
Bromodichloromethane	mg/kg (ppm)	2.5	99	72-130
Dibromomethane	mg/kg (ppm)	2.5	90	70-120
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	100	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	119	75-136
Toluene	mg/kg (ppm)	2.5	94	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	137 vo	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	98	75-113
2-Hexanone	mg/kg (ppm)	12.5	107	33-152
1,3-Dichloropropane	mg/kg (ppm)	2.5	100	72-130
Tetrachloroethene	mg/kg (ppm)	2.5	98	72-114
Dibromochloromethane	mg/kg (ppm)	2.5	117	74-125
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	119	74-132
Chlorobenzene	mg/kg (ppm)	2.5	97	76-111
Ethylbenzene	mg/kg (ppm)	2.5	97	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	125	69-135
m,p-Xylene	mg/kg (ppm)	5	99	78-122
o-Xylene	mg/kg (ppm)	2.5	98	77-124
Styrene	mg/kg (ppm)	2.5	99	74-126
Isopropylbenzene	mg/kg (ppm)	2.5	97	76-127
Bromoform	mg/kg (ppm)	2.5	125	56-132
n-Propylbenzene	mg/kg (ppm)	2.5	99	74-124
Bromobenzene	mg/kg (ppm)	2.5	103	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	101	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	102	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	104	61-137
2-Chlorotoluene	mg/kg (ppm)	2.5	97	74-121
4-Chlorotoluene	mg/kg (ppm)	2.5	98	75-122
tert-Butylbenzene	mg/kg (ppm)	2.5	101	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	98	76-125
sec-Butylbenzene	mg/kg (ppm)	2.5	100	71-130
p-Isopropyltoluene	mg/kg (ppm)	2.5	99	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	99	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	97	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	99	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	132	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	95	64-135
Hexachlorobutadiene	mg/kg (ppm)	2.5	102	50-153
Naphthalene	mg/kg (ppm)	2.5	97	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	97	63-138

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 510383-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<1	105	10-172
Chloromethane	ug/L (ppb)	50	<10	88	25-166
Vinyl chloride	ug/L (ppb)	50	21	92 b	36-166
Bromomethane	ug/L (ppb)	50	<1	106	47-169
Chloroethane	ug/L (ppb)	50	<1	104	46-160
Trichlorofluoromethane	ug/L (ppb)	50	<1	93	44-165
Acetone	ug/L (ppb)	250	<10	78	10-182
1,1-Dichloroethene	ug/L (ppb)	50	<1	86	60-136
Hexane	ug/L (ppb)	50	<1	90	52-150
Methylene chloride	ug/L (ppb)	50	<5	98	67-132
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	109	74-127
trans-1,2-Dichloroethene	ug/L (ppb)	50	1.4	89	72-129
1,1-Dichloroethane	ug/L (ppb)	50	<1	96	70-128
2,2-Dichloropropane	ug/L (ppb)	50	<1	147	36-154
cis-1,2-Dichloroethene	ug/L (ppb)	50	26	92 b	71-127
Chloroform	ug/L (ppb)	50	<1	91	65-132
2-Butanone (MEK)	ug/L (ppb)	250	<10	98	10-129
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	89	69-133
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	115	60-146
1,1-Dichloropropene	ug/L (ppb)	50	<1	90	69-133
Carbon tetrachloride	ug/L (ppb)	50	<1	120	56-152
Benzene	ug/L (ppb)	50	<0.35	90	76-125
Trichloroethene	ug/L (ppb)	50	<1	88	66-135
1,2-Dichloropropane	ug/L (ppb)	50	<1	100	78-125
Bromodichloromethane	ug/L (ppb)	50	<1	98	61-150
Dibromomethane	ug/L (ppb)	50	<1	89	66-141
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	100	10-185
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	118	72-132
Toluene	ug/L (ppb)	50	<1	94	76-122
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	124	76-130
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	98	68-131
2-Hexanone	ug/L (ppb)	250	<10	110	10-185
1,3-Dichloropropane	ug/L (ppb)	50	<1	100	71-128
Tetrachloroethene	ug/L (ppb)	50	<1	95	10-226
Dibromochloromethane	ug/L (ppb)	50	<1	116	70-139
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	116	69-134
Chlorobenzene	ug/L (ppb)	50	<1	96	77-122
Ethylbenzene	ug/L (ppb)	50	<1	95	69-135
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	124	73-137
m,p-Xylene	ug/L (ppb)	100	<2	96	69-135
o-Xylene	ug/L (ppb)	50	<1	97	60-140
Styrene	ug/L (ppb)	50	<1	96	71-133
Isopropylbenzene	ug/L (ppb)	50	<1	95	65-142
Bromoform	ug/L (ppb)	50	<1	122	65-142
n-Propylbenzene	ug/L (ppb)	50	<1	97	58-144
Bromobenzene	ug/L (ppb)	50	<1	101	75-124
1,3,5-Trimethylbenzene	ug/L (ppb)	50	<1	99	66-137
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	101	51-154
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	102	53-150
2-Chlorotoluene	ug/L (ppb)	50	<1	96	66-127
4-Chlorotoluene	ug/L (ppb)	50	<1	96	65-130
tert-Butylbenzene	ug/L (ppb)	50	<1	100	65-137
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<1	96	59-146
sec-Butylbenzene	ug/L (ppb)	50	<1	97	64-140
p-Isopropyltoluene	ug/L (ppb)	50	<1	96	65-141
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	95	72-123
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	94	69-126
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	95	69-128
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	122	32-164
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	92	66-136
Hexachlorobutadiene	ug/L (ppb)	50	<1	95	60-143
Naphthalene	ug/L (ppb)	50	<1	96	44-164
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	95	69-148

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	95	90	25-158	5
Chloromethane	ug/L (ppb)	50	84	78	45-156	7
Vinyl chloride	ug/L (ppb)	50	88	84	50-154	5
Bromomethane	ug/L (ppb)	50	105	102	55-143	3
Chloroethane	ug/L (ppb)	50	99	97	58-146	2
Trichlorofluoromethane	ug/L (ppb)	250	90	85	50-150	6
Acetone	ug/L (ppb)	250	83	84	53-131	1
1,1-Dichloroethene	ug/L (ppb)	50	85	81	67-136	5
Hexane	ug/L (ppb)	50	86	82	57-137	5
Methylene chloride	ug/L (ppb)	50	95	88	39-148	8
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	106	102	64-147	4
trans-1,2-Dichloroethene	ug/L (ppb)	50	86	83	68-128	4
1,1-Dichloroethane	ug/L (ppb)	50	93	89	79-121	4
2,2-Dichloropropane	ug/L (ppb)	50	158 vo	152 vo	55-143	4
cis-1,2-Dichloroethene	ug/L (ppb)	50	88	85	80-123	3
Chloroform	ug/L (ppb)	50	88	85	80-121	3
2-Butanone (MEK)	ug/L (ppb)	250	98	92	57-149	6
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	85	82	73-132	4
1,1,1-Trichloroethane	ug/L (ppb)	50	112	108	83-130	4
1,1-Dichloropropene	ug/L (ppb)	50	87	84	77-129	4
Carbon tetrachloride	ug/L (ppb)	50	119	114	75-158	4
Benzene	ug/L (ppb)	50	87	83	69-134	5
Trichloroethene	ug/L (ppb)	50	86	83	80-120	4
1,2-Dichloropropane	ug/L (ppb)	50	97	93	77-123	4
Bromodichloromethane	ug/L (ppb)	50	94	92	81-133	2
Dibromomethane	ug/L (ppb)	50	85	82	82-125	4
4-Methyl-2-pentanone	ug/L (ppb)	250	98	95	65-138	3
cis-1,3-Dichloropropene	ug/L (ppb)	50	114	111	82-132	3
Toluene	ug/L (ppb)	50	91	87	72-122	4
trans-1,3-Dichloropropene	ug/L (ppb)	50	122	119	80-136	2
1,1,2-Trichloroethane	ug/L (ppb)	50	95	91	75-124	4
2-Hexanone	ug/L (ppb)	250	104	100	60-136	4
1,3-Dichloropropane	ug/L (ppb)	50	96	92	76-126	4
Tetrachloroethene	ug/L (ppb)	50	93	88	76-121	6
Dibromochloromethane	ug/L (ppb)	50	112	109	84-133	3
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	112	108	82-125	4
Chlorobenzene	ug/L (ppb)	50	92	89	83-114	3
Ethylbenzene	ug/L (ppb)	50	92	88	77-124	4
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	120	117	84-127	3
m,p-Xylene	ug/L (ppb)	100	93	90	83-125	3
o-Xylene	ug/L (ppb)	50	93	91	81-121	2
Styrene	ug/L (ppb)	50	93	90	84-119	3
Isopropylbenzene	ug/L (ppb)	50	93	89	85-117	4
Bromoform	ug/L (ppb)	50	119	116	74-136	3
n-Propylbenzene	ug/L (ppb)	50	95	91	74-126	4
Bromobenzene	ug/L (ppb)	50	97	93	80-121	4
1,3,5-Trimethylbenzene	ug/L (ppb)	50	97	93	78-123	4
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	98	94	66-126	4
1,2,3-Trichloropropane	ug/L (ppb)	50	101	95	67-124	6
2-Chlorotoluene	ug/L (ppb)	50	93	90	77-127	3
4-Chlorotoluene	ug/L (ppb)	50	92	89	78-128	3
tert-Butylbenzene	ug/L (ppb)	50	98	94	80-123	4
1,2,4-Trimethylbenzene	ug/L (ppb)	50	94	90	79-122	4
sec-Butylbenzene	ug/L (ppb)	50	96	91	80-125	5
p-Isopropyltoluene	ug/L (ppb)	50	95	91	81-123	4
1,3-Dichlorobenzene	ug/L (ppb)	50	93	89	85-116	4
1,4-Dichlorobenzene	ug/L (ppb)	50	91	88	84-121	3
1,2-Dichlorobenzene	ug/L (ppb)	50	93	89	85-116	4
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	119	115	57-141	3
1,2,4-Trichlorobenzene	ug/L (ppb)	50	91	88	72-130	3
Hexachlorobutadiene	ug/L (ppb)	50	97	93	53-141	4
Naphthalene	ug/L (ppb)	50	94	91	64-133	3
1,2,3-Trichlorobenzene	ug/L (ppb)	50	93	90	65-136	3

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.

510383

SAMPLE CHAIN OF CUSTODY

ME 10-26-15 V3/ET2/AR3

Page # 1 of 3

Send Report To Eric Kolks / Monica Moggs

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)*

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ Standard ~~(2 Weeks)~~ 5 day
☐ 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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS								Notes
B-17:6	01A-E		0815	Soil	5	X			X										
B-17:10	02		0820	Soil	1														
B-17	03A-E		0830	water	5	X			X										
B-18:5	04T		0855	Soil	5	X			X										
B-18:10	05		0900	Soil	1														
B-18	06A-E		0910	water	5	X			X										
B-15:5	07T		0940	Soil	5	X			X										
B-15:10	08		0945	Soil	1														
B-15	09A-E		0955	water	5	X			X										Samples received at 5 °C
B-13:5	10T		1005	Soil	5	X			X										

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Moggs	EPI	10/23/15	1415
Received by:	Michael Erdahl	FEBinc	10/26/15	0751
Relinquished by:				
Received by:				

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

510383

SAMPLE CHAIN OF CUSTODY

ME 10-28-15 V3/C12/A03

Page # 2 of 3

Send Report To Eric Kolles / M. Mogg

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)*

PROJECT NAME/NO. 65112-0

PO#

REMARKS

TURNAROUND TIME
☒ Standard (~~2 Weeks~~ 5 Dy)
☐ 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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
						ANALYSES REQUESTED												
B-13:8	11	10/23/15	1010	Soil	1				X									HOLD
B-13	12A F		1020	water	5	X			X									
B-12:5	13 T		1035	Soil	5	X			X									
B-12:8	14		1040	Soil	1													
B-12	15A F		1050	water	5	X			X									
B-16:5	16 T		1105	Soil	5	X			X									
B-16:10	17		1110	Soil	1													
B-16	18A F		1120	water	5	X			X									
B-11:5	19 T		1140	Soil	5	X			X									Samples received at 5 °C
B-11:10	20	↓	1145	Soil	5													

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:	Monica Mogg	ERI	10/23/15	1145
Received by:	Michael Erdahl	FB	10/26/15	0751
Relinquished by:				
Received by:				

510383

SAMPLE CHAIN OF CUSTODY

ME 10-26-15 V3/E12/B403

Page # 3 of

Send Report To Eric Kolles / Monica Moggs

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)

PROJECT NAME/NO. 6511 2.0

PO#

REMARKS

TURNAROUND TIME
☐ Standard (~~2 Weeks~~) 5 days
☐ 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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
						ANALYSES REQUESTED												
B-11	21A-E	10/23/15	1155	water	5	X			X									
B-5:5	22A-D	↓	1210	Soil	4				X									
B-5:10	23		1215	Soil	4													
B-5	24		1220	water	4				X									
B-6:5	25		1230	Soil	4				X									
B-6:10	26		1235	Soil	4													
B-6	27	↓	1245	water	4				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:	Monica Moggs	EPI	10/23/15	1415
Received by:	Michael Erdell	FEBruce	10/26/15	0751
Relinquished by:				
Received by:				

FORMS\COC\COC.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.

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fbi@isomedia.com
www.friedmanandbruya.com

November 11, 2015

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

RE: 65112.0, F&BI 511066

Dear Mr. Koltes:

Included are the results from the testing of material submitted on November 6, 2015 from the 65112.0, F&BI 511066 project. There are 31 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, Monica Mogg
EPI1111R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 6, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 511066 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
511066 -01	B-14:5
511066 -02	B-14:10
511066 -03	B-14
511066 -04	B-21:5
511066 -05	B-21:10
511066 -06	B-21
511066 -07	B-22:5
511066 -08	B-22:10
511066 -09	B-22
511066 -10	B-23:5
511066 -11	B-23:10
511066 -12	B-23
511066 -13	B-7:5
511066 -14	B-7:12
511066 -15	B-7
511066 -16	B-9:5
511066 -17	B-9:10
511066 -18	B-9
511066 -19	B-19:5
511066 -20	B-19:10
511066 -21	B-19
511066 -22	B-20:5
511066 -23	B-20:10
511066 -24	B-20
511066 -25	B-3:5
511066 -26	B-3:8
511066 -27	B-3
511066 -28	B-4:6
511066 -29	B-4:10
511066 -30	B-4
511066 -31	B-2:5
511066 -32	B-2:10
511066 -33	B-2

CASE NARRATIVE (Continued)

The 8260C hexachlorobutadiene matrix spike sample exceeded the acceptance criteria. The laboratory control sample met the acceptance criteria, therefore the results were likely due to matrix effect.

All other quality control requirements were acceptable.

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

Sample ID Laboratory ID	Gasoline	Diesel	Heavy Oil	Surrogate (% Recovery) (Limit 53-144)
B-3:5 511066-25	ND	ND	ND	97
B-4:6 511066-28	ND	ND	ND	92
B-2:5 511066-31	ND	ND	ND	94
Method Blank 05-2276 MB	ND	ND	ND	96

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 250 mg/kg heavy oil.

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

Sample ID Laboratory ID	Gasoline	Diesel	Heavy Oil	Surrogate (% Recovery) (Limit 56-165)
B-3 511066-27 1/1.7	ND	ND	ND	80
B-4 511066-30	ND	ND	ND	81
B-2 511066-33	ND	ND	ND	85
Method Blank 05-2277 MB	ND	ND	ND	79

ND - Material not detected at or above 0.2 mg/L gas, 0.5 mg/L diesel and 0.5 mg/L heavy oil.

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

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)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
B-7:12 511066-14	<0.02	<0.02	<0.02	<0.06	<2	92
B-9:5 511066-16	<0.02	<0.02	<0.02	<0.06	<2	93
Method Blank 05-2257 MB	<0.02	<0.02	<0.02	<0.06	<2	95

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

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)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
B-7 511066-15	<1	<1	<1	<3	<100	93
B-9 511066-18	<1	<1	<1	<3	<100	95
Method Blank 05-2221 MB	<1	<1	<1	<3	<100	94

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
B-14:5 511066-01	<50	<250	86
B-21:5 511066-04	<50	<250	86
B-22:5 511066-07	<50	<250	88
B-23:5 511066-10	<50	<250	86
B-19:5 511066-19	<50	<250	86
B-20:5 511066-22	<50	<250	77
Method Blank 05-2278 MB	<50	<250	85

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
B-14 511066-03	<50	<250	72
B-21 511066-06	170 x	<250	81
B-22 511066-09	<50	<250	82
B-23 511066-12	<50	<250	79
B-19 511066-21	<50	<250	82
B-20 511066-24	<50	<250	87
Method Blank 05-2277 MB	<50	<250	79

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-14:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-01
Date Analyzed:	11/06/15	Data File:	110619.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	102	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-19:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-19
Date Analyzed:	11/06/15	Data File:	110620.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-20:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-22
Date Analyzed:	11/06/15	Data File:	110621.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	62	142
Toluene-d8	102	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-3:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-25
Date Analyzed:	11/06/15	Data File:	110622.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	102	55	145
4-Bromofluorobenzene	102	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-4:6	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-28
Date Analyzed:	11/06/15	Data File:	110623.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-2:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-31
Date Analyzed:	11/06/15	Data File:	110624.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	05-2245 mb2
Date Analyzed:	11/06/15	Data File:	110606.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-14	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-03
Date Analyzed:	11/06/15	Data File:	110613.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	57	121
Toluene-d8	102	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	1.0	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-19	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-21
Date Analyzed:	11/06/15	Data File:	110614.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	102	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-20	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-24
Date Analyzed:	11/06/15	Data File:	110615.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	100	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-3	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-27
Date Analyzed:	11/06/15	Data File:	110616.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	101	63	127
4-Bromofluorobenzene	99	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-4	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-30
Date Analyzed:	11/06/15	Data File:	110617.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	103	63	127
4-Bromofluorobenzene	102	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-2	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-33
Date Analyzed:	11/06/15	Data File:	110618.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	57	121
Toluene-d8	101	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	05-2246 mb
Date Analyzed:	11/06/15	Data File:	110605.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	101	63	127
4-Bromofluorobenzene	102	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

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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: 511063-02 (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	97	66-121
Toluene	mg/kg (ppm)	0.5	96	72-128
Ethylbenzene	mg/kg (ppm)	0.5	98	69-132
Xylenes	mg/kg (ppm)	1.5	98	69-131
Gasoline	mg/kg (ppm)	20	100	61-153

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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: 511064-02 (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	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	98	69-134

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QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511066-22 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	99	102	73-135	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	107	74-139

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	86	88	63-142	2

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 511046-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	29	30	10-142	3
Chloromethane	mg/kg (ppm)	2.5	<0.5	54	55	10-126	2
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	57	58	10-138	2
Bromomethane	mg/kg (ppm)	2.5	<0.5	72	74	10-163	3
Chloroethane	mg/kg (ppm)	2.5	<0.5	73	74	10-176	1
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	67	68	10-176	1
Acetone	mg/kg (ppm)	12.5	<0.5	85	86	10-163	1
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	72	72	10-160	0
Hexane	mg/kg (ppm)	2.5	<0.25	67	68	10-137	1
Methylene chloride	mg/kg (ppm)	2.5	<0.5	85	89	10-156	5
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	87	88	21-145	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	81	82	14-137	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	83	84	19-140	1
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	82	82	10-158	0
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	85	87	25-135	2
Chloroform	mg/kg (ppm)	2.5	<0.05	85	88	21-145	3
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	85	83	19-147	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	80	82	12-160	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	85	87	10-156	2
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	82	83	17-140	1
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	88	89	9-164	1
Benzene	mg/kg (ppm)	2.5	<0.03	82	82	29-129	0
Trichloroethene	mg/kg (ppm)	2.5	<0.02	81	83	21-139	2
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	86	86	30-135	0
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	85	86	23-155	1
Dibromomethane	mg/kg (ppm)	2.5	<0.05	89	89	23-145	0
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	88	87	24-155	1
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	89	89	28-144	0
Toluene	mg/kg (ppm)	2.5	<0.05	82	83	35-130	1
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	87	88	26-149	1
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	84	84	10-205	0
2-Hexanone	mg/kg (ppm)	12.5	<0.5	85	83	15-166	2
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	84	85	31-137	1
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	77	78	20-133	1
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	84	86	28-150	2
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	82	83	28-142	1
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	83	83	32-129	0
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	83	84	32-137	1
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	86	89	31-143	3
m,p-Xylene	mg/kg (ppm)	5	<0.1	83	85	34-136	2
o-Xylene	mg/kg (ppm)	2.5	<0.05	85	86	33-134	1
Styrene	mg/kg (ppm)	2.5	<0.05	84	86	35-137	2
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	84	86	31-142	2
Bromoform	mg/kg (ppm)	2.5	<0.05	89	90	21-156	1
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	83	84	23-146	1
Bromobenzene	mg/kg (ppm)	2.5	<0.05	85	85	34-130	0
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	83	84	18-149	1
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	84	85	28-140	1
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	83	83	25-144	0
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	81	83	31-134	2
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	83	83	31-136	0
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	86	87	30-137	1
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	83	83	10-182	0
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	85	86	23-145	1
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	84	84	21-149	0
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	81	82	30-131	1
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	80	80	29-129	0
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	82	83	31-132	1
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	88	90	11-161	2
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	82	84	22-142	2
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	91	93	10-142	2
Naphthalene	mg/kg (ppm)	2.5	<0.05	83	84	14-157	1
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	80	82	20-144	2

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	41	10-146
Chloromethane	mg/kg (ppm)	2.5	61	27-133
Vinyl chloride	mg/kg (ppm)	2.5	68	22-139
Bromomethane	mg/kg (ppm)	2.5	82	38-114
Chloroethane	mg/kg (ppm)	2.5	76	10-163
Trichlorofluoromethane	mg/kg (ppm)	2.5	34	10-196
Acetone	mg/kg (ppm)	12.5	89	52-141
1,1-Dichloroethene	mg/kg (ppm)	2.5	83	47-128
Hexane	mg/kg (ppm)	2.5	85	43-142
Methylene chloride	mg/kg (ppm)	2.5	95	42-132
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	90	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	89	67-127
1,1-Dichloroethane	mg/kg (ppm)	2.5	88	68-115
2,2-Dichloropropane	mg/kg (ppm)	2.5	85	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	72-113
Chloroform	mg/kg (ppm)	2.5	91	66-120
2-Butanone (MEK)	mg/kg (ppm)	12.5	94	57-123
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	86	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	96	62-131
1,1-Dichloropropene	mg/kg (ppm)	2.5	92	69-128
Carbon tetrachloride	mg/kg (ppm)	2.5	102	60-139
Benzene	mg/kg (ppm)	2.5	90	68-114
Trichloroethene	mg/kg (ppm)	2.5	90	64-117
1,2-Dichloropropane	mg/kg (ppm)	2.5	94	72-127
Bromodichloromethane	mg/kg (ppm)	2.5	95	72-130
Dibromomethane	mg/kg (ppm)	2.5	98	70-120
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	99	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	102	75-136
Toluene	mg/kg (ppm)	2.5	91	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	105	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	93	75-113
2-Hexanone	mg/kg (ppm)	12.5	95	33-152
1,3-Dichloropropane	mg/kg (ppm)	2.5	95	72-130
Tetrachloroethene	mg/kg (ppm)	2.5	89	72-114
Dibromochloromethane	mg/kg (ppm)	2.5	99	74-125
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	95	74-132
Chlorobenzene	mg/kg (ppm)	2.5	91	76-111
Ethylbenzene	mg/kg (ppm)	2.5	92	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	99	69-135
m,p-Xylene	mg/kg (ppm)	5	94	78-122
o-Xylene	mg/kg (ppm)	2.5	93	77-124
Styrene	mg/kg (ppm)	2.5	94	74-126
Isopropylbenzene	mg/kg (ppm)	2.5	93	76-127
Bromoform	mg/kg (ppm)	2.5	109	56-132
n-Propylbenzene	mg/kg (ppm)	2.5	95	74-124
Bromobenzene	mg/kg (ppm)	2.5	97	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	95	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	95	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	93	61-137
2-Chlorotoluene	mg/kg (ppm)	2.5	93	74-121
4-Chlorotoluene	mg/kg (ppm)	2.5	95	75-122
tert-Butylbenzene	mg/kg (ppm)	2.5	97	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	95	76-125
sec-Butylbenzene	mg/kg (ppm)	2.5	96	71-130
p-Isopropyltoluene	mg/kg (ppm)	2.5	96	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	92	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	92	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	93	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	105	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	94	64-135
Hexachlorobutadiene	mg/kg (ppm)	2.5	93	50-153
Naphthalene	mg/kg (ppm)	2.5	92	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	91	63-138

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 511063-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<1	108	10-172
Chloromethane	ug/L (ppb)	50	<10	98	25-166
Vinyl chloride	ug/L (ppb)	50	<0.2	97	36-166
Bromomethane	ug/L (ppb)	50	<1	122	47-169
Chloroethane	ug/L (ppb)	50	<1	117	46-160
Trichlorofluoromethane	ug/L (ppb)	50	<1	102	44-165
Acetone	ug/L (ppb)	250	<10	83	10-182
1,1-Dichloroethene	ug/L (ppb)	50	<1	96	60-136
Hexane	ug/L (ppb)	50	3.0	77	52-150
Methylene chloride	ug/L (ppb)	50	<5	102	67-132
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	99	74-127
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	98	72-129
1,1-Dichloroethane	ug/L (ppb)	50	<1	99	70-128
2,2-Dichloropropane	ug/L (ppb)	50	<1	93	36-154
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	98	71-127
Chloroform	ug/L (ppb)	50	<1	99	65-132
2-Butanone (MEK)	ug/L (ppb)	250	<10	92	10-129
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	92	69-133
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	99	60-146
1,1-Dichloropropene	ug/L (ppb)	50	<1	97	69-133
Carbon tetrachloride	ug/L (ppb)	50	<1	103	56-152
Benzene	ug/L (ppb)	50	5.2	94	76-125
Trichloroethene	ug/L (ppb)	50	<1	95	66-135
1,2-Dichloropropane	ug/L (ppb)	50	<1	97	78-125
Bromodichloromethane	ug/L (ppb)	50	<1	96	61-150
Dibromomethane	ug/L (ppb)	50	<1	101	66-141
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	98	10-185
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	101	72-132
Toluene	ug/L (ppb)	50	26	94 b	76-122
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	101	76-130
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	94	68-131
2-Hexanone	ug/L (ppb)	250	<10	92	10-185
1,3-Dichloropropane	ug/L (ppb)	50	<1	95	71-128
Tetrachloroethene	ug/L (ppb)	50	<1	84	10-226
Dibromochloromethane	ug/L (ppb)	50	<1	96	70-139
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	94	69-134
Chlorobenzene	ug/L (ppb)	50	<1	91	77-122
Ethylbenzene	ug/L (ppb)	50	7.6	89	69-135
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	99	73-137
m,p-Xylene	ug/L (ppb)	100	67	87 b	69-135
o-Xylene	ug/L (ppb)	50	48	88 b	60-140
Styrene	ug/L (ppb)	50	<1	94	71-133
Isopropylbenzene	ug/L (ppb)	50	<1	86	65-142
Bromoform	ug/L (ppb)	50	<1	98	65-142
n-Propylbenzene	ug/L (ppb)	50	2.6	82	58-144
Bromobenzene	ug/L (ppb)	50	<1	92	75-124
1,3,5-Trimethylbenzene	ug/L (ppb)	50	16	83 b	66-137
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	94	51-154
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	92	53-150
2-Chlorotoluene	ug/L (ppb)	50	<1	96	66-127
4-Chlorotoluene	ug/L (ppb)	50	<1	90	65-130
tert-Butylbenzene	ug/L (ppb)	50	<1	82	65-137
1,2,4-Trimethylbenzene	ug/L (ppb)	50	42	81 b	59-146
sec-Butylbenzene	ug/L (ppb)	50	<1	75	64-140
p-Isopropyltoluene	ug/L (ppb)	50	<1	75	65-141
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	84	72-123
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	83	69-126
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	87	69-128
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	100	32-164
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	77	66-136
Hexachlorobutadiene	ug/L (ppb)	50	<1	52 vo	60-143
Naphthalene	ug/L (ppb)	50	9.0	89	44-164
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	78	69-148

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	100	104	25-158	4
Chloromethane	ug/L (ppb)	50	91	89	45-156	2
Vinyl chloride	ug/L (ppb)	50	92	92	50-154	0
Bromomethane	ug/L (ppb)	50	116	115	55-143	1
Chloroethane	ug/L (ppb)	50	109	111	58-146	2
Trichlorofluoromethane	ug/L (ppb)	250	99	99	50-150	0
Acetone	ug/L (ppb)	250	89	92	53-131	3
1,1-Dichloroethene	ug/L (ppb)	50	92	94	67-136	2
Hexane	ug/L (ppb)	50	96	96	57-137	0
Methylene chloride	ug/L (ppb)	50	97	100	39-148	3
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	93	94	64-147	1
trans-1,2-Dichloroethene	ug/L (ppb)	50	93	94	68-128	1
1,1-Dichloroethane	ug/L (ppb)	50	92	94	79-121	2
2,2-Dichloropropane	ug/L (ppb)	50	92	94	55-143	2
cis-1,2-Dichloroethene	ug/L (ppb)	50	92	94	80-123	2
Chloroform	ug/L (ppb)	50	92	93	80-121	1
2-Butanone (MEK)	ug/L (ppb)	250	95	90	57-149	5
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	88	85	73-132	3
1,1,1-Trichloroethane	ug/L (ppb)	50	97	97	83-130	0
1,1-Dichloropropene	ug/L (ppb)	50	94	95	77-129	1
Carbon tetrachloride	ug/L (ppb)	50	105	105	75-158	0
Benzene	ug/L (ppb)	50	90	90	69-134	0
Trichloroethene	ug/L (ppb)	50	91	90	80-120	1
1,2-Dichloropropane	ug/L (ppb)	50	94	95	77-123	1
Bromodichloromethane	ug/L (ppb)	50	95	94	81-133	1
Dibromomethane	ug/L (ppb)	50	97	97	82-125	0
4-Methyl-2-pentanone	ug/L (ppb)	250	96	95	65-138	1
cis-1,3-Dichloropropene	ug/L (ppb)	50	100	100	82-132	0
Toluene	ug/L (ppb)	50	89	90	72-122	1
trans-1,3-Dichloropropene	ug/L (ppb)	50	101	101	80-136	0
1,1,2-Trichloroethane	ug/L (ppb)	50	90	91	75-124	1
2-Hexanone	ug/L (ppb)	250	90	88	60-136	2
1,3-Dichloropropane	ug/L (ppb)	50	92	91	76-126	1
Tetrachloroethene	ug/L (ppb)	50	85	86	76-121	1
Dibromochloromethane	ug/L (ppb)	50	95	96	84-133	1
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	92	91	82-125	1
Chlorobenzene	ug/L (ppb)	50	88	89	83-114	1
Ethylbenzene	ug/L (ppb)	50	90	90	77-124	0
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	95	99	84-127	4
m,p-Xylene	ug/L (ppb)	100	89	91	83-125	2
o-Xylene	ug/L (ppb)	50	89	91	81-121	2
Styrene	ug/L (ppb)	50	90	91	84-119	1
Isopropylbenzene	ug/L (ppb)	50	89	91	85-117	2
Bromoform	ug/L (ppb)	50	101	101	74-136	0
n-Propylbenzene	ug/L (ppb)	50	90	90	74-126	0
Bromobenzene	ug/L (ppb)	50	92	92	80-121	0
1,3,5-Trimethylbenzene	ug/L (ppb)	50	91	91	78-123	0
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	91	91	66-126	0
1,2,3-Trichloropropane	ug/L (ppb)	50	89	88	67-124	1
2-Chlorotoluene	ug/L (ppb)	50	88	88	77-127	0
4-Chlorotoluene	ug/L (ppb)	50	90	90	78-128	0
tert-Butylbenzene	ug/L (ppb)	50	93	94	80-123	1
1,2,4-Trimethylbenzene	ug/L (ppb)	50	89	90	79-122	1
sec-Butylbenzene	ug/L (ppb)	50	92	92	80-125	0
p-Isopropyltoluene	ug/L (ppb)	50	90	90	81-123	0
1,3-Dichlorobenzene	ug/L (ppb)	50	87	88	85-116	1
1,4-Dichlorobenzene	ug/L (ppb)	50	86	87	84-121	1
1,2-Dichlorobenzene	ug/L (ppb)	50	88	88	85-116	0
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	99	98	57-141	1
1,2,4-Trichlorobenzene	ug/L (ppb)	50	90	90	72-130	0
Hexachlorobutadiene	ug/L (ppb)	50	87	87	53-141	0
Naphthalene	ug/L (ppb)	50	90	90	64-133	0
1,2,3-Trichlorobenzene	ug/L (ppb)	50	88	89	65-136	1

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.

511066

SAMPLE CHAIN OF CUSTODY

ME 11-06-15 V3/C3/VS2/BOS

Page # 1 of 4

Send Report To Eric Kolles/Monica Mogg

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)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ Standard (~~2 Weeks~~) 5 day
☐ 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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	Notes
B-14:5	01A-E	11/5/15	1500	Soil	5	X			X			
B-14:10	02		1505	Soil	5							
B-14	03		1520	water	5	X			X			
B-21:5	04		1605	soil	1	X						
B-21:10	05		1610	soil	1							
B-21	06		1625	water	1	X						
B-22:5	07		1650	Soil	1	X						
B-22:10	08		1655	Soil	1							
B-22	09		1700	water	1	X						Samples received at 4 °C
B-23:5	10		1720	Soil	1	X						

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mogg	EPI	11/6/15	0759
Received by:	Michael Endahl	FGBrn	11/6/15	↓
Relinquished by:				
Received by:				

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

FORMS\COC\COC.DOC

511066

SAMPLE CHAIN OF CUSTODY

ME 11-06-15 V3/C73 2/VB2 2/4 B05

Page # 1 of 1

Send Report To Eric Kolles / M. Moggs

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)*

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ ~~Standard (2 Weeks)~~ 5 day
☐ 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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-23:10	11	11/5/15	0725	soil	1													
B-23	12	11/5/15	0735	water	1	X												
B-7:5	13A-E	11/5/15	1755	soil	5													
B-7:12	14 T	11/5/15	1800	soil	5		[redacted]	X										6x + BTEX
B-7	15A-C	11/5/15	1810	water	3	[redacted] NO Dx	X	X										
B-9:5	16A-E		1830	soil	5		X	X										
B-9:10	17T		1835	soil	5													
B-9	18A-C		1840	water	3		X	X										
B-19:5	19A-E		1925	soil	5	X			X									Samples received at 4 °C
B-19:10	20 T	↓	1930	soil	5													

ANALYSES REQUESTED

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:	Monica Moggs	EPI	11/6/15	0759
Received by:	Michael Erdahl	FB Inc	↓	↓
Relinquished by:				
Received by:				

511066

SAMPLE CHAIN OF CUSTODY

ME 11-06-15 V3/C13/VC2/B05

Page # 3 of 4

Send Report To E.Kolkes / M.Mogg

Company EPI

Address

City, State, ZIP Issaquah WA

Phone # 425-395-0027 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 651120

PO#

REMARKS

TURNAROUND TIME
☒ ~~Standard (2 Weeks)~~ 5 days
☐ 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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	HCID						Notes
B-19	21A-E	11/6/15	1940	water	5	X			X									
B-20:5	22		1955	soil	5	X			X									
B-20:10	23		2000	soil	5													
B-20	24		2010	water	5	X			X									
B-3:5	25		2110	soil	5				X			X						
B-3:8	26		2120	soil	5													
B-3	27A-F		2130	water	6				X			X						
B-4:6	28A-E		2150	soil	5				X			X						
B-4:10	29		2155	soil	5													Samples received at 4 °C
B-4	30	✓	2200	water	5				X			X						

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mogg	EPI	11/6/15	0759
Received by:	Michael Eckhl	FG Bruya	↓	↓
Relinquished by:				
Received by:				

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

511066

SAMPLE CHAIN OF CUSTODY

ME 11-06-15 V3/C3/V2/B05

Page # 4 of 4

Send Report To E.Koltes / M.Mogg

Company EBI

Address

City, State, ZIP Issaquah WA

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ Standard (~~2 Weeks~~) 5 day
☐ 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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	HCID						Notes
B-2:5	31	11/5/15	2250	Soil	5				X			X						
B-2:10	32	↓	2255	Soil	5													
B-2	33	↓	2300	water	5				X			X						
																		Samples received at ____°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:	Monica Mogg	EBI	11/6/15	0739
Received by:	Mochia / E-Gh1	FEDEX	↓	↓
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

November 19, 2015

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

RE: 65112.0, F&BI 511183

Dear Mr. Koltes:

Included are the results from the testing of material submitted on November 13, 2015 from the 65112.0, F&BI 511183 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, Monica Mogg
EPI1119R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 13, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 511183 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
511183-01	B-10:5'
511183-02	B-10:10'
511183-03	B-10'

All quality control requirements were acceptable.

Date of Report: 11/19/15
Date Received: 11/13/15
Project: 65112.0, F&BI 511183
Date Extracted: 11/16/15
Date Analyzed: 11/16/15

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)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
B-10:5' 511183-01	<0.02	<0.02	<0.02	<0.06	<2	100
Method Blank 05-2321 MB	<0.02	<0.02	<0.02	<0.06	<2	99

Date of Report: 11/19/15
Date Received: 11/13/15
Project: 65112.0, F&BI 511183
Date Extracted: 11/16/15
Date Analyzed: 11/16/15

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)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
B-10' 511183-03	4.9	1.4	1.1	5.2	160	94
Method Blank 05-2320 MB	<1	<1	<1	<3	<100	94

Date of Report: 11/19/15
Date Received: 11/13/15
Project: 65112.0, F&BI 511183

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: 511197-01 (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	89	69-120
Toluene	mg/kg (ppm)	0.5	92	70-117
Ethylbenzene	mg/kg (ppm)	0.5	93	65-123
Xylenes	mg/kg (ppm)	1.5	89	66-120
Gasoline	mg/kg (ppm)	20	105	71-131

Date of Report: 11/19/15
Date Received: 11/13/15
Project: 65112.0, F&BI 511183

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: 511189-01 (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	100	65-118
Toluene	ug/L (ppb)	50	98	72-122
Ethylbenzene	ug/L (ppb)	50	98	73-126
Xylenes	ug/L (ppb)	150	96	74-118
Gasoline	ug/L (ppb)	1,000	98	69-134

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.

511183

SAMPLE CHAIN OF CUSTODY

ME 11-13-15

CTL/VI/

Send Report To Erz Kolts / M. Mozz

Company EFI

Address 1180 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0101 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

Page # 1 of 1

TURNAROUND TIME
- [x] Standard (~~2 Weeks~~) 5 day
- [ ] 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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	Notes
B-10:5'	01A-D	11/12/15	1925	Soil	4		X	X				
B-10:10'	02T		1930	Soil	4							
B-10	03A-C		1940	Water	3		X	X				
~~B-10:5~~			~~2035~~	~~Soil~~	~~4~~		~~X~~	~~X~~				
~~B-10:10~~			~~2040~~	~~Soil~~	~~4~~							
~~B-10~~			~~2050~~	~~Water~~	~~3~~		~~X~~	~~X~~				

Samples received at 4 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mozz	EFI	11/13/15	0700
Received by:	Jason Kolts	Fedex	11/13/15	10:36 AM
Relinquished by:				
Received by:	Nhan Phan	FEBI	11/13/15	1120

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

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

November 24, 2015

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

RE: 65112.0, F&BI 511292

Dear Mr. Koltes:

Included are the results from the testing of material submitted on November 20, 2015 from the 65112.0, F&BI 511292 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, Monica Mogg
EPI1124R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 20, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 511292 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
511292 -01	B-24:2
511292 -02	B-24:4
511292 -03	B-24:6
511292 -04	B-24:8
511292 -05	B-24:10
511292 -06	B-24:15
511292 -07	B-25:2
511292 -08	B-25:4
511292 -09	B-25:6
511292 -10	B-25:8
511292 -11	B-25:10
511292 -12	B-26:2
511292 -13	B-26:4
511292 -14	B-26:6
511292 -15	B-26:8
511292 -16	B-26:10
511292 -17	B-26:15
511292 -18	B-27:2
511292 -19	B-27:4
511292 -20	B-27:6
511292 -21	B-27:8
511292 -22	B-27:10
511292 -23	B-27:15
511292 -24	B-28:2
511292 -25	B-28:4
511292 -26	B-28:6
511292 -27	B-28:8
511292 -28	B-28:10
511292 -29	B-29:2
511292 -30	B-29:4
511292 -31	B-29:6
511292 -32	B-29:8
511292 -33	B-29:10
511292 -34	B-30:2
511292 -35	B-30:4
511292 -36	B-30:6

CASE NARRATIVE (continued)

Laboratory ID	Environmental Partners
511292 -37	B-30:8
511292 -38	B-30:10
511292 -39	B-31:2
511292 -40	B-31:4
511292 -41	B-31:6
511292 -42	B-31:8
511292 -43	B-31:10
511292 -44	B-32:2
511292 -45	B-32:4
511292 -46	B-32:6
511292 -47	B-32:8
511292 -48	B-32:10

All quality control requirements were acceptable.

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-24:2 511292-01	490 x	4,200	88
B-24:4 511292-02	330 x	4,800	92
B-24:6 511292-03	<50	<250	93
B-24:8 511292-04	<50	<250	95
B-24:10 511292-05	<50	<250	91
B-24:15 511292-06	<50	<250	105
B-25:2 511292-07	<50	<250	97
B-25:4 511292-08	<50	<250	89
B-25:6 511292-09	<50	<250	103
B-25:8 511292-10	<50	<250	99

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-25:10 511292-11	<50	<250	104
B-26:2 511292-12	270 x	4,300	90
B-26:4 511292-13	290 x	4,600	89
B-26:6 511292-14	<50	<250	89
B-26:8 511292-15	<50	<250	88
B-26:10 511292-16	<50	<250	89
B-26:15 511292-17	<50	<250	93
B-27:2 511292-18	<50	<250	96
B-27:4 511292-19	<50	<250	92
B-27:6 511292-20	<50	<250	90

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-27:8 511292-21	<50	<250	99
B-27:10 511292-22	<50	<250	94
B-27:15 511292-23	<50	<250	97
B-28:2 511292-24	200 x	2,600	93
B-28:4 511292-25	<50	<250	91
B-28:6 511292-26	<50	<250	98
B-28:8 511292-27	<50	<250	100
B-28:10 511292-28	<50	<250	101
B-29:2 511292-29	<50	<250	103
B-29:4 511292-30	<50	<250	95

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-29:6 511292-31	<50	<250	105
B-29:8 511292-32	<50	<250	91
B-29:10 511292-33	<50	<250	102
B-30:2 511292-34	<50	<250	91
B-30:4 511292-35	<50	<250	90
B-30:6 511292-36	<50	<250	97
B-30:8 511292-37	<50	<250	98
B-30:10 511292-38	<50	<250	103
B-31:2 511292-39	<50	<250	90
B-31:4 511292-40	<50	<250	88

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-31:6 511292-41	<50	<250	87
B-31:8 511292-42	<50	<250	98
B-31:10 511292-43	<50	<250	97
B-32:2 511292-44	85 x	2,200	96
B-32:4 511292-45	<50	<250	102
B-32:6 511292-46	<50	<250	89
B-32:8 511292-47	<50	<250	91
B-32:10 511292-48	<50	<250	89
Method Blank 05-2379 MB	<50	<250	104
Method Blank 05-2382 MB	<50	<250	73
Method Blank 05-2383 MB	<50	<250	90

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511274-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	109	110	64-133	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	111	58-147

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511292-25 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	102	99	64-133	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	104	58-147

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511282-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	86	90	63-146	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	93	79-144

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.

511292 ME 11/20/15 COC

SAMPLE CHAIN OF CUSTODY

Send Report To Eric Foltz / M. Mozz
Company EPI
Address 1180 NW Maple St, Ste 310
City, State, ZIP Issaquah, WA
Phone # 425-395-0010 Fax #

SAMPLERS (signature)
PROJECT NAME/NO. 65112-0
PO#
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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS						Notes
B-24:2	01	11/20/15	0900	Soil	1	X											
B-24:4	02		0902		1	X											
B-24:6	03		0904		1	X											
B-24:8	04		0904		1	X											
B-24:10	05		0906		1	X											
B-24:15	06		0915		1	X											
B-25:2	07		0940		1	X											
B-25:4	08		0942		1	X											
B-25:6	09		0948		1	X											
B-25:8	10		0950		1	X											Samples received at 3 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mozz	EPI	11/20/15	1212
Received by:	Matt Langston	FBI	11/20/15	1212
Relinquished by:				
Received by:				

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

5/1293

SAMPLE CHAIN OF CUSTODY

ME 11/20/15 COC

Page # 2 of 3

Send Report To Eric Foltes / M. Monge

Company EFI

Address 1180 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-25:10	11	11/20/15	0952	Soil	1	X												
B-26:2	12		1005		1	X												
B-26:4	13		1007		1	X												
B-26:6	14		1011		1	X												
B-26:8	15		1013		1	X												
B-26:10	16		1015		1	X												
B-26:15	17		1019		1	X												
B-27:2	18		1030		1	X												
B-27:4	19		1032		1	X												
B-27:6	20	↓	1036	↓	1	X												Samples received at 3 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Monge	EFI	11/20/15	1212
Received by:	Matt Longtin	EFI	11/20/15	1212
Relinquished by:				
Received by:				

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

5T1293

SAMPLE CHAIN OF CUSTODY

ME 11/20/15 CO

Page # 3 of 3

Send Report To Eric Koltes / M-Mogg

Company EPI

Address 11180 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS						Notes
B-27:8	21	11/20/15	1038	Soil	1	X											
B-27:10	22		1040		1	X											
B-27:15	23		1044		1	X											
B-28:2	24		1055		1	X											
B-28:4	25		1057		1	X											
B-28:6	26		1059		1	X											
B-28:8	27		1101		1	X											
B-28 10	28		1103		1	X											
B-29:2	29		1112		1	X											
B-29:4	30		1114		1	X											

Samples received at 3 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mogg	EPI	11/20/15	1212
Received by:	Matt Langston	EPI	11/20/15	1212
Relinquished by:				
Received by:				

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

5/1293

SAMPLE CHAIN OF CUSTODY

MAE 11/20/15 COC

Page # 4 of 5

Send Report To Eric Kolte's / M. Mayer

Company EPI

Address 1100 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 651120

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24hr

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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS						Notes
B-29:6	31	11/20/15	1118	Soil	1	X											
B-29:8	32		1120		1	X											
B-29:10	33		1122		1	X											
B-30:2	34		1132		1	X											
B-30:4	35		1134		1	X											
B-30:6	36		1137		1	X											
B-30:8	37		1139		1	X											
B-30:10	38		1141		1	X											
B-31:2	39		1156		1	X											
B-31:4	40		1158		1	X											Samples received at 3 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mayer	EPI	11/20/15	1212
Received by:	Matt Longsdorf	FBI	11/20/15	12:12
Relinquished by:				
Received by:				

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

511293

SAMPLE CHAIN OF CUSTODY

ME 11/20/15 CO4

Page # 5 of 5

Send Report To Eric Kolles / M. Mogg

Company EPI

Address 1100 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24hr

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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-31:6	41	11/20/15	1200	Soil	1	X												
B-31:8	42		1202		1	X												
B-31:10	43		1204		1	X												
B-32:2	44		1209		1	X												
B-32:4	45		1211		1	X												
B-32:6	46		1212		1	X												
B-32:8	47		1213		1	X												
B-32:10	48		1214		1	X												
~~B-32:15~~					1	X												
					1	X												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mogg	EPI	11/20/15	1212
Received by:	Matt Langton	FEDEX	11/20/15	1212
Relinquished by:				
Received by:				

Samples received at 3 °C

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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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

November 24, 2015

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

RE: 65112.0, F&BI 511298

Dear Mr. Koltes:

Included are the results from the testing of material submitted on November 20, 2015 from the 65112.0, F&BI 511298 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, Monica Mogg
EPI1124R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 20, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 511298 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
511298 -01	B-32:15
511298 -02	B-33:2
511298 -03	B-33:4
511298 -04	B-33:6
511298 -05	B-33:8
511298 -06	B-33:10
511298 -07	B-34:2
511298 -08	B-34:4
511298 -09	B-34:6
511298 -10	B-34:8
511298 -11	B-34:10
511298 -12	B-35:2
511298 -13	B-35:4
511298 -14	B-35:6
511298 -15	B-35:8
511298 -16	B-35:10

All quality control requirements were acceptable.

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511298
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/23/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
B-32:15 511298-01	<50	<250	86
B-33:2 511298-02	<50	<250	80
B-33:4 511298-03	<50	<250	81
B-33:6 511298-04	<50	570	81
B-33:8 511298-05	<50	<250	84
B-33:10 511298-06	<50	<250	81
B-34:2 511298-07	180 x	2,600	76
B-34:4 511298-08	200 x	2,600	75
B-34:6 511298-09	<50	<250	81
B-34:8 511298-10	<50	<250	86
B-34:10 511298-11	<50	<250	82

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511298
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/23/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
B-35:2 511298-12	<50	<250	83
B-35:4 511298-13	<50	<250	83
B-35:6 511298-14	<50	<250	83
B-35:8 511298-15	<50	<250	82
B-35:10 511298-16	<50	<250	83
Method Blank 05-2385 MB	<50	<250	92

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511298

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511298-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	99	97	73-135	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	107	74-139

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.

511298

SAMPLE CHAIN OF CUSTODY

ME 11-20-15

605

Page # 1 of 2

Send Report To Eric Kolles

Company EPI

Address 1180 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS *(signature)*

PROJECT NAME/NO. 651120

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24hr

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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-32:15	01	11/20/15	1220	So;l	1	X												
B-32:2	02		1230		1	X												
B-33:4	03		1231		1	X												
B-33:6	04		1233		1	X												
B-33:8	05		1234		1	X												
B-33:10	06		1235		1	X												
B-34:2	07		1240		1	X												
B-34:4	08		1241		1	X												
B-34:6	09		1243		1	X												
B-34:8	10		1244		1	X												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mayes	EPI	11/20/15	1430
Received by:	Matthew Parker	F&B	11/20/15	1431
Relinquished by:				
Received by:		Samples received at 5 °C		

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

511298

SAMPLE CHAIN OF CUSTODY

HE 11-20-15 COS

Page # 2 of 2

Send Report To Eric Kolte3 / M. Mayo

Company EPI

Address 1180 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-295-0800 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24hr
- 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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-34:10	11	11/20/15	1245	Soil	1	X												
B-35:2	12		1308		1	X												
B-35:4	13		1310		1	X												
B-35:6	14		1312		1	X												
B-35:8	15		1314		1	X												
B-35:10	16	↓	1315	↓	1	X												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Maura Mayo	EPI	11/20/15	1430
Received by:	Matthew Parker	F&B	11/20/15	1431
Relinquished by:			5	
Received by:		Samples received at		°C

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

FORMS\COC\COC.DOC

Attachment C
Kent Grading Permit

PLOTTED: Oct 19, 2016 - 12:42a10p10 PLOTTED BY: NateA

SECTION 24, TOWNSHIP 22 NORTH, RANGE 4 EAST, W.M.
KING COUNTY, WASHINGTON

MEEKER REMEDIATION

KENT, WASHINGTON

SHEET INDEX		
SHEET	DWG.	TITLE
1	C1.0	COVER SHEET
2	C2.0	TESC & GRADING PLAN, DETAILS & NOTES
3	C2.1	GENERAL NOTES

OWNER / APPLICANT:

MEEKER MALL
JBK VENTURES C/O MJR DEVELOPMENT
6725 116TH AVE. NE
KIRKLAND, WA 98033
TEL: (206) 255-0586
CONTACT: CHRISTIAN LAROCCO
christian@mjrdevelopment.com

CIVIL ENGINEER/REPRESENTATIVE:

KPFF CONSULTING ENGINEERS
612 WOODLAND SQUARE LOOP SE, SUITE 100
LACEY, WA 98503
TEL: (360) 292-7230
FAX: (360) 292-7231
CONTACT: MARK STEEPY, PE
mark.steepy@kpff.com

SURVEYOR:

NCS SURVEYING
3930 SOUTH 352ND ST
AUBURN, WA 98001
TEL: (253) 835-4000
FAX: (253) 661-3641
CONTACT/EMAIL: TBD

SITE DATA:

ADDRESS:
105 WASHINGTON AVE N
KENT, WA 98032

PARCEL NUMBER:
5436200526

TOTAL ACREAGE:
1.88 ACRES EXISTING

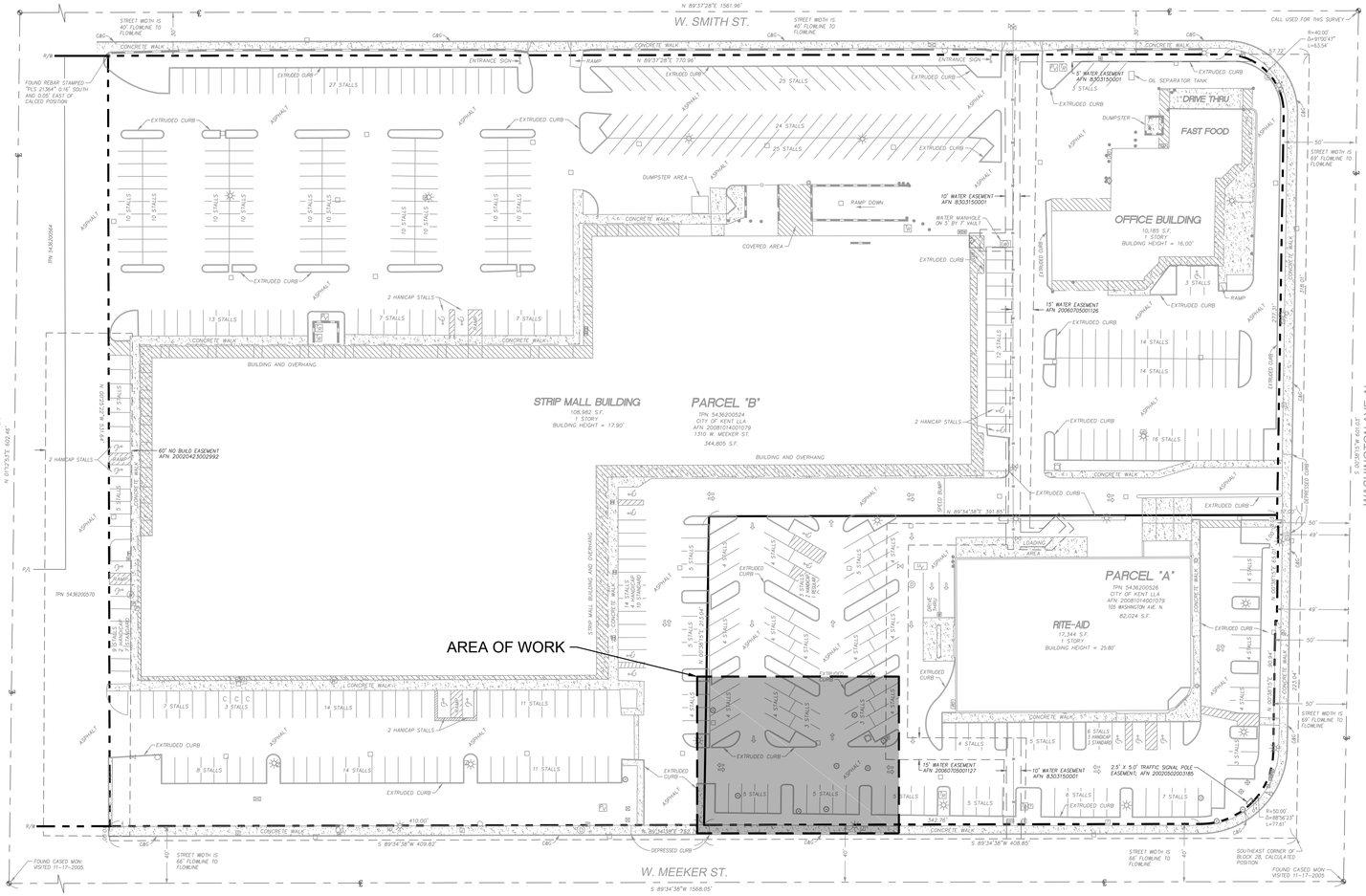
ZONING:
GC

WATER SERVICE PROVIDER:
CITY OF KENT

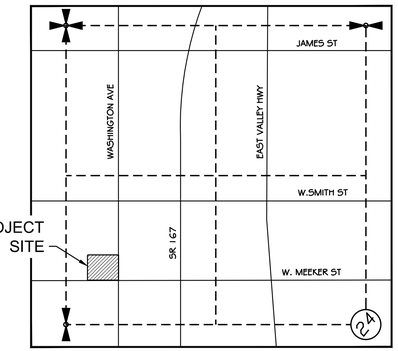
SEWER SERVICE PROVIDER:
CITY OF KENT

ABBREVIATIONS:

APPROX	APPROXIMATELY
AVE	AVENUE
BLDG	BUILDING
BLVD	BOULEVARD
BO	BLOW-OFF
CB	CATCH BASIN
CO	CLEANOUT
DIA	DIAMETER
DWG	DRAWING
E	EAST, EASTING
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EX	EXISTING
FF	FINISHED FLOOR
FT	FEET
GRVL	GRAVEL
HORIZ, HORZ	HORIZONTAL
IE	INVERT ELEVATION
LF	LINEAR FEET
MAX	MAXIMUM
MIN	MINIMUM
N	NORTH, NORTHING
NE	NORTHEAST
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NW	NORTHWEST
R	RANGE, RADIUS
RD	ROOF DRAIN, ROAD
S	SOUTH, SLOPE
SE	SOUTHEAST
SEC	SECTION
SF	SQUARE FEET
SD	STORM DRAIN
SS	SANITARY SEWER
SSMH	SEWER MANHOLE
ST	STREET
STA	STATION
STD	STANDARD
SW	SOUTHWEST
T	TOWNSHIP
THRU	THROUGH
TYP	TYPICAL
VERT	VERTICAL
W	WEST
WA	WASHINGTON
W/	WITH
WM	WATER MAIN



SITE PLAN
SCALE: 1" = 50'



VICINITY MAP
NTS

SURVEY LEGEND:

- FOUND MONUMENT AS DESCRIBED
- FOUND 1/2" REBAR & CAP
- POWER POLE W/UNDERGROUND DROP & LIGHT
- POWER POLE W/UNDERGROUND DROP
- GUY WIRE
- STREET LIGHT
- TRAFFIC SIGNAL POLE W/LIGHT
- "J" BOX
- POWER TRANSFORMER
- POWER VAULT
- POWER PEDESTAL
- POWER METER
- UTILITY VAULT
- TELEPHONE RISER
- TELEPHONE MANHOLE
- TELEPHONE VAULT
- HANDHOLE
- TRAFFIC CONTROL BOX
- TV RISER
- BOLLARD
- STREET SIGN
- SIGN POST
- MAIL BOX
- GAS VALVE
- GAS METER
- FIRE HYDRANT
- PUMPER CONNECT
- WATER VALVE
- WATER METER
- IRRIGATION BOX
- MONITORING WELL
- WATER MANHOLE
- CATCH BASIN
- STORM MANHOLE
- SEWER MANHOLE
- SEWER CLEANOUT
- 6' WOOD FENCE
- 6' CHAINLINK FENCE
- 1.5' CONC. RETAINING WALL
- CONC. BLOCK RETAINING WALL
- CONCRETE

0 20 40
SCALE

HORIZONTAL DATUM
HELD CITY OF KENT HORIZONTAL CONTROL DATUM (NAD) CONTROL POINT #7513, MONUMENT IN CASE AT INTERSECTION OF MEEKER ST. AND WASHINGTON AVE.

BASIS OF BEARING
HELD MONUMENT LINE ALONG WASHINGTON AVE. FROM MONUMENT AT MEEKER ST. TO MONUMENT AT WILLIS ST.; BEARING = N 89°34'38"E

City of Kent approval block (4"x2") provided in lower right corner of each sheet, including permit number above the approval block. Approval block area to be printed with the following:

KIVA No. REMC 2163550

THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF KENT ENGINEERING DIVISION'S REQUIREMENTS.

Development Engineer Manager Date

City Engineer Date

Sign-off block provided for Record Drawing certification and printed as follows on each plan sheet, generally in the lower right hand corner:

THESE RECORD PLANS AND THE INFORMATION SHOWN ACCURATELY REFLECT EXISTING FIELD CONDITION AS OF _____ (DATE SIGNED).

BY: _____

NO	DATE	BY	CHD	APPR	REVISION

MARK R. STEEPY — 54863 — REGISTERED PROFESSIONAL ENGINEER — STATE OF WASHINGTON — 10-19-2016

kpff
612 Woodland Square Loop, Suite 100
Lacey, WA 98503
360.292.7230
www.kpff.com

CALL UNDERGROUND LOCATE TWO (2) WORKING DAYS BEFORE YOU DIG 811

DRAWN BY	DESIGNED BY
NLA	MNH
CHECKED BY	APPROVED BY
REH	MRS
DATE	
10-19-2016	

JOB NO: 41600415

MEEKER REMEDIATION
KENT, WASHINGTON

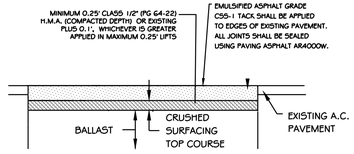
COVER SHEET

DRAWING
C1.0
SHEET 1 OF 3

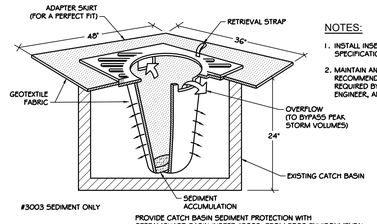
FILE: I:\2016\41600415 - Kent Strip Mall Construction Permit\CADD\DWG\C1.0 - COVER SHEET

PLOTTED: Oct 19, 2016 - 15:37a10p10 PLOTTED BY: nuracoh

SECTION 24, TOWNSHIP 22 NORTH, RANGE 4 EAST, W.M.
KING COUNTY, WASHINGTON



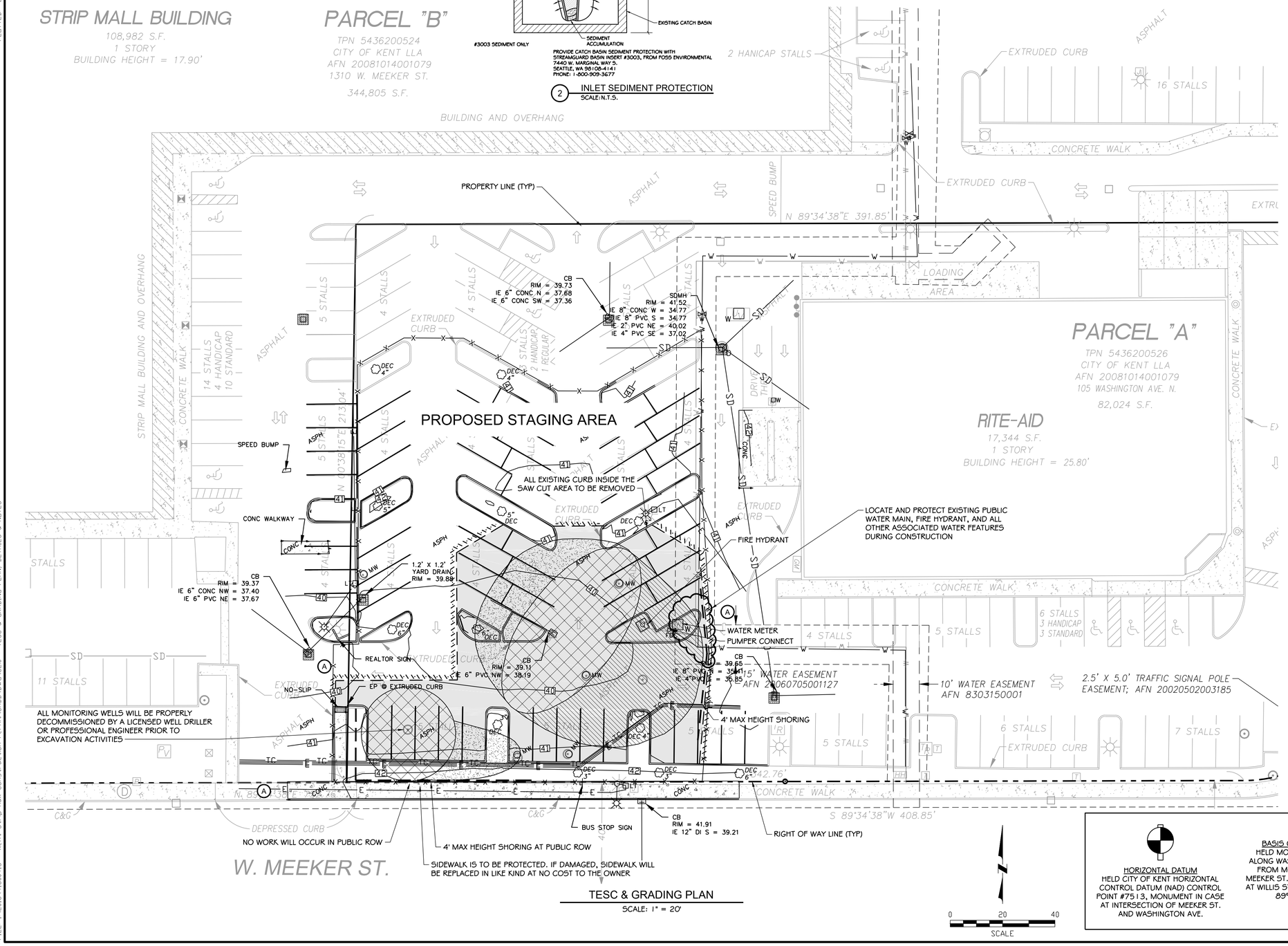
1 PAVEMENT RESTORATION DETAIL
SCALE:N.T.S.



NOTES:
1. INSTALL INSERT PER THE MANUFACTURER'S SPECIFICATIONS.
2. MAINTAIN AND REPLACE INSERTS AS RECOMMENDED BY THE MANUFACTURER, AS REQUIRED BY THE INSPECTOR OR PROJECT ENGINEER, AND AS OTHERWISE NECESSARY.

PROVIDE CATCH BASIN SEDIMENT PROTECTION WITH STREAMGUARD BASIN INSERT #3003, FROM FOSS ENVIRONMENTAL 7440 W. MARGINAL WAY S. SEATTLE, WA 98108-4141 PHONE: 1-800-909-3677

2 INLET SEDIMENT PROTECTION
SCALE:N.T.S.



TESC & GRADING PLAN
SCALE: 1" = 20'

PROJECT NOTES:

1. TEMPORARY SHORING TO BE CONTRACTOR DESIGNED AND 4' MAXIMUM HEIGHT.
2. WATER, SEWER, AND STORM UTILITIES ARE ASSUMED TO BE APPROXIMATE LOCATIONS. CONTRACTOR TO VERIFY EXACT LOCATIONS.
3. RESTORE LANDSCAPING, CURBING AND PAVEMENT MARKINGS TO EXISTING CONDITIONS.
4. PROTECT ALL EXISTING UTILITIES AND SITE FEATURES.
5. CONTRACTOR TO REPLACE ANY DAMAGED UTILITIES AT HIS/HER OWN EXPENSE.
6. MAINTAIN ACCESS AT SPECIFIED LOCATIONS: (A)
7. ALL MONITORING WELLS WILL BE PROPERLY DECOMMISSIONED BY A LICENSED WELL DRILLER OR PROFESSIONAL ENGINEER PRIOR TO EXCAVATION ACTIVITIES.

LEGEND

- NO-SLIP
- LT — LIGHT JUNCTION BOX
- YARD DRAIN
- D — STORM DRAIN MANHOLE
- FIRE HYDRANT
- WATER METER
- W — WATER VAULT
- FDC — FIRE DEPT CONNECTION
- DEC 3 — DECIDUOUS TREE
- SIGN AS NOTED
- MW — MONITORING WELL
- LUMINAIRE
- YARD LIGHT
- CATCH BASIN
- W — WATER
- E — UNDERGROUND POWER
- TC — TELECOMMUNICATIONS
- CHAIN LINK FENCE
- INLET PROTECTION (2)
- SAW CUT LINE
- PROPERTY LINE
- RIGHT OF WAY LINE
- EASEMENT LINE
- STRAW WADDLE
- TEMPORARY SHORING LINE 4' MAXIMUM HEIGHT

CONTAMINATED SOIL EXCAVATION AREAS

- 3' DEPTH
- 5' DEPTH
- 6' DEPTH

ESTIMATED EARTHWORK QUANTITIES

3' DEPTH - 109 CY
5' DEPTH - 422 CY
6' DEPTH - 798 CY
TOTAL DEPTH - 1,329 CY

HORIZONTAL DATUM
HELD CITY OF KENT HORIZONTAL CONTROL DATUM (NAD) CONTROL POINT #7513, MONUMENT IN CASE AT INTERSECTION OF MEEKER ST. AND WASHINGTON AVE.

BASIS OF BEARING
HELD MONUMENT LINE ALONG WASHINGTON AVE. FROM MONUMENT AT MEEKER ST. TO MONUMENT AT WILLIS ST.; BEARING = N 89°34'38"E

City of Kent approval block (4"x2") provided in lower right corner of each sheet, including permit number above the approval block. Approval block area to be printed with the following:

KIVA No. REMC 21G3550

THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF KENT ENGINEERING DIVISION'S REQUIREMENTS.

Development Engineer Manager Date

City Engineer Date

Sign-off block provided for Record Drawing certification and printed as follows on each plan sheet, generally in the lower right hand corner:

THESE RECORD PLANS AND THE INFORMATION SHOWN ACCURATELY REFLECT EXISTING FIELD CONDITION AS OF _____ (DATE SIGNED).

BY: _____

NO	DATE	BY	CHD	APPR	REVISION

MAX R. STEPHENS — 54463 — REGISTERED PROFESSIONAL ENGINEER — STATE OF WASHINGTON — 10-19-2016

kpff
612 Woodland Square Loop, Suite 100, Lacey, WA 98503
360.292.7230
www.kpff.com

CALL UNDERGROUND LOCATE TWO (2) WORKING DAYS BEFORE YOU DIG 811

DRAWN BY	DESIGNED BY	APPROVED BY	DATE
NLA	MNH	MRS	10-19-2016
CHECKED BY	REH		JOB NO. 41600415

MEEKER REMEDIATION
KENT, WASHINGTON

TESC & GRADING PLAN, DETAILS & NOTES

DRAWING
C2.0
SHEET 2 OF 3

FILE: I:\2016\41600415 - Kent Strip Mall Construction Permit\CADD\DWG\C2.0 - TESC & GRADING PLAN, DETAILS & NOTES

PLOTTED: Oct 19, 2016 - 12:42s10p10 PLOTTED BY: NateA

SECTION 24, TOWNSHIP 22 NORTH, RANGE 4 EAST, W.M.
KING COUNTY, WASHINGTON

GENERAL TESC NOTES:

1. APPROVAL OF THIS TEMPORARY EROSION\SEDIMENTATION CONTROL PLAN (TESCP) DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.)

2. THE IMPLEMENTATION OF THESE TESCP AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE TESCP FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.

3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF THE CONSTRUCTION.

4. THE TESCP FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER TO INSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS.

5. THE TESCP FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE TESCP FACILITIES SHALL BE UPGRADED (E.G. ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS AND AS THE CITY REQUIRES.

6. THE TESCP FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING AND OPERATION.

7. ANY AREA STRIPPED OF VEGETATION, INCLUDING ROADWAY EMBANKMENTS, WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF TWO (2) DAYS, SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED TESCP METHODS (E.G. SEEDING, MULCHING, NETTING, EROSION BLANKETS, ETC.) GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE MONTHS OF APRIL THROUGH OCTOBER INCLUSIVE.

8. ANY AREA NEEDING TESCP MEASURE, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS.

9. THE TESCP FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT AND AS THE CITY DEEMS NECESSARY.

10. AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.

11. STABILIZED CONSTRUCTION ENTRANCES AND WASH PADS PER CITY STANDARDS, SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURE MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.

12. DURING THE TIME PERIOD OF NOVEMBER 1ST THROUGH MARCH 31ST, ALL PROJECT DISTURBED AREAS THAT ARE TO BE LEFT UNWORKED FOR MORE THAN TWO (2) DAYS SHALL BE COVERED BY ONE OF THE FOLLOWING COVER MEASURES: MULCH, SODDING OR PLASTIC COVERING.

13. ANY PERMANENT RETENTION DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY AND SHALL BE CLEANED OUT ENTIRELY WITH PROPER DISCHARGE OF WASTEWATER (I.E. SANITARY DISCHARGE). IF THE PERMANENT FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION OR DISPERSION SYSTEM, THE FACILITY SHALL NOT BE USED AS A TEMPORARY SETTLING BASIN.

14. WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE (E.G. ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER ACRE).

15. WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF THREE (3) INCHES OR 3,000 LBS/ACRE.

16. AS CONSTRUCTION PROGRESSES AND UNEXPECTED SEASONAL CONDITIONS DICTATE, AND AS THE CITY REQUIRES, THE PERMITTEE SHOULD ANTICIPATE THAT MORE TESCP MEASURES WILL BE NECESSARY TO PROTECT ADJACENT PROPERTIES AND ENSURE MINIMUM WATER QUALITY FOR SITE RUNOFF. IT SHALL BE THE RESPONSIBILITY OF THE PERMITTEE TO ADDRESS DEFICIENT TESCP CONDITIONS AND PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE MINIMUM REQUIREMENTS OUTLINED ON THE APPROVED PLANS.

17. FILTER FABRIC FENCE SHALL BE USED WERE NOTED ON THE PLANS OR AS DIRECTED BY THE CITY. (SEE STANDARD DETAIL AND INSTALLATION NOTES 5-6 IN APPENDIX "B").

GENERAL STORM DRAINAGE NOTES:

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF KENT STANDARD SPECIFICATIONS AND WSDOT/APWA STANDARD SPECIFICATIONS, LATEST EDITION.

2. PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH CITY OF KENT CONSTRUCTION INSPECTION PERSONNEL BY PHONING 253-856-5500.

3. A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

4. ALL STORM DRAINAGE IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE APPROVED PLANS. ANY DEVIATION FORM THESE PLANS WILL REQUIRE APPROVAL FORM THE OWNER, ENGINEER AND APPROPRIATE PUBLIC AGENCIES.

5. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN STREET USE AND ANY OTHER RELATED PERMITS PRIOR TO ANY CONSTRUCTION ACTIVITY.

6. ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN. THE CONTRACTOR SHALL CONTACT THE UNDERGROUND UTILITIES LOCATION SERVICE (1-800-424-5555) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE AND THE DIRECTOR SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.

7. ALL STORM DRAINAGE STRUCTURES, AS DESIGNATED IN THE PLANS, SHALL BE ONE OF THE FOLLOWING:

   a. YARD DRAIN - ASSOCIATED SAND AND GRAVEL CB-10, OR EQUAL.
   b. INLET - APWA STANDARD PLANS B-4B, ASSOCIATED SAND & GRAVEL CB-17, OR EQUAL.
   c. TYPE I-C CATCH BASIN - CITY OF KENT STANDARD DETAIL 5-7 ASSOCIATED SAND AND GRAVEL CB- 15 OR EQUAL.
   d. TYPE I-L CATCH BASIN - ASSOCIATED SAND AND GRAVEL CB-16, OR EQUAL.
   e. TYPE II-48 INCH CATCH BASIN - CITY OF KENT STANDARD DETAIL 5-8(A) (WITH MINIMUM TWENTY FOUR (24) INCHES DEEP SUMP BELOW INVERT), ASSOCIATED SAND AND GRAVEL FORTY EIGHT (48) INCH PRE-CAST CATCH BASIN, OR EQUAL.
   f. TYPE II-54 INCH CATCH BASIN - CITY OF KENT STANDARD DETAIL 5-8(A) (WITH MINIMUM TWENTY FOUR (24) INCHES DEEP SUMP BELOW PIPE INVERT), ASSOCIATED SAND AND GRAVEL FIFTY FOUR (54) INCH PRE-CAST CATCH BASIN, OR EQUAL.
   g. TYPE II-72 INCH CATCH BASIN - CITY OF KENT STANDARD DETAIL 5-8(B) (WITH MINIMUM TWENTY FOUR (24) INCHES DEEP SUMP BELOW PIPE INVERT), ASSOCIATED SAND AND GRAVEL SEVENTY TWO (72) INCH PRE-CAST CATCH BASIN, OR EQUAL.
   h. SPECIAL CATCH BASINS OR DRAINAGE STRUCTURES SHALL BE AS DETAILED IN THE CITY OF KENT STANDARD DETAILS IN APPENDIX "B".

NOTE: ALL UNIT COVERS SHALL BE PER CITY OF KENT STANDARDS AND ALL STRUCTURES DEEPER THAN FIVE (5) FEET (RIM TO INVERT) SHALL BE TYPE II AND EQUIPPED WITH SAFETY MANHOLE STEPS OR A MANHOLE LADDER, PER CITY OF KENT STANDARDS.

8. ALL FRAMES, GRATES AND/OR SOLID COVERS SHALL BE CAST IRON OR DUCTILE IRON AND SHALL MEET CITY OF KENT STANDARDS.

   a. STANDARD BOLT DOWN FRAME AND GRATE - CITY OF KENT STANDARD DETAIL 5-1(A) & 5-1(B) OLYMPIC FOUNDRY CO. NO. SM60 D/T OR EQUAL.
   b. VANED GRATE - CITY OF KENT STANDARD DETAIL 5-1(D) & 5-1(E) OLYMPIC FOUNDRY CO. NO. SM50VG OR EQUAL.
   c. SOLID, LOCKING, RECTANGULAR COVER - CITY OF KENT STANDARD DETAIL 5-1(C) OLYMPIC FOUNDRY CO. NO. SM605 D/T, OR EQUAL.
   d. SOLID, LOCKING, ROUND COVER - CITY OF KENT STANDARD DETAILS 4-5, 4-6(A) & 4-6(B) OLYMPIC FOUNDRY CO. NO. MH30 D/T, MH36 WT RESPECTIVELY OR EQUAL.
   e. ROLLED CURB FRAME AND GRATE - CITY OF KENT STANDARD DETAILS 5-1(F) & 5-1(G) OLYMPIC FOUNDRY CO. NO. SM44 OR EQUAL.
   f. THRU CURB FRAME, VANED GRATE & HOOD - CITY OF KENT STANDARD DETAILS 5-2(A) & 5-2(B) OLYMPIC FOUNDRY CO. NO. SM39 OR EQUAL.

NOTE: ALL GRATES SHALL BE MARKED "OUTFALL TO STREAM - DUMP NO POLLUTANTS." ALL SOLID COVERS SHALL BE MARKED "DRAIN". ALL GRATES SHALL BE DEPRESSED FOUR HUNDREDTH (0.04) FEET FROM SURROUNDING CURB OR PAVEMENT TO INSURE ADEQUATE DRAINAGE.

NOTES:

1. OLYMPIC FOUNDRY SELF-LOCK VANED GRATE SM5055L AND THRU CURB FRAME, VANED GRATE & HOOD SM39 IS ACCEPTABLE ALTERNATIVE SUBJECT TO APPROVAL BY THE DIRECTOR.
2. USE WITH TWO LOCKING BOLTS 5/8 11 UNC-2A STAINLESS TYPE 304 STEEL SOCKET HEAD (ALLEN HEAD) CAP SCREWS TWO (2) INCHES LONG, IF SPECIFIED. NOTE SLOT DETAIL.
3. MATERIAL IS DUCTILE IRON ASTM A536 GRADE 80-55-06
4. "OUTFALL TO STREAM - DUMP NO POLLUTANTS" MAY BE LOCATED ON BORDER AREA.

9. ALL STORM DRAIN PIPE MAY BE CONSTRUCTED OF ONE OF THE FOLLOWING MATERIALS UNLESS OTHERWISE SPECIFIED IN THE PLANS. ALL PIPE JOINTS MUST BE GASKETED WATERTIGHT AND MUST BE OF THE SAME MATERIAL AS THE PIPE. ALL PIPE SHALL HAVE A MINIMUM COVER AS SPECIFIED AND SHALL BE ADEQUATELY PROTECTED DURING CONSTRUCTION (REFER TO THE MANUFACTURE'S RECOMMENDATIONS FOR MINIMUM COVER FOR HEAVY EQUIPMENT LOADINGS). THE CITY OF KENT PUBLIC WORKS DEPARTMENT SHALL EXERCISE THE OPTION TO ACCEPT OR REJECT ALL DAMAGED OR NON-COMPLIANT CONSTRUCTION MATERIAL. THE CONTRACTOR/DEVELOPER SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH REJECTED OR SUBSTITUTED CONSTRUCTION MATERIAL.

   a. DUCTILE IRON - FOUR (4) INCH THROUGH FOURTEEN (14) INCH DIAMETER PIPE SHALL BE CLASS 50 AND SIXTEEN (16) INCH THROUGH TWENTY FOUR (24) INCH DIAMETER PIPE SHALL BE CLASS 50, ALL IN ACCORDANCE WITH U.S.A STANDARD A-21.1 (AWWA C-51). ALL JOINTS SHALL BE PUSH-ON, MECHANICAL, OR FLANGED. (SIX (6) INCH MINIMUM COVER).
   b. CONCRETE - FOUR (4) INCH THROUGH TWELVE (12) INCH DIAMETER PIPE SHALL BE NON-REINFORCED, BELL AND SPIGOT WITH RUBBER GASKET JOINTS, CONFORMING TO ASTM C-4 (CLASS II). EIGHTEEN (18) INCH THROUGH THIRTY SIX (36) INCHES IN DIAMETER PIPE SHALL BE REINFORCED, BELL AND SPIGOT WITH RUBBER GASKET JOINTS, CONFORMING TO ASTM C-76. (TWO (2) FEET MINIMUM COVER).
   c. PVC - FOUR (4) INCH THROUGH EIGHTEEN (18) INCH DIAMETER PIPE, WITH TWENTY FOUR (24) INCH TO THIRTY SIX (36) INCH OF COVER SHALL BE IN ACCORDANCE WITH ASTM D3034 SDR 21. FOUR (4) INCH THROUGH EIGHTEEN (18) INCH DIAMETER PIPE, WITH ASTM D3034 SDR 35 SHALL HAVE THIRTY SIX (36) MINIMUM COVER. ALL JOINTS SHALL BE PUSH-ON WITH RUBBER GASKETS. PVC STORM PIPE REQUIRES SAND COLLARS MEETING ASTM D-3034-78 SDR 35 SPECIFICATIONS (I.E. CATCH BASIN CONNECTION) OR KOR-N-SEAL BOOTS.
   d. HELICAL CORRUGATED PLAN ALUMINUM PIPE (CMP) - SIX (6) INCH THROUGH EIGHTEEN (18) INCH DIAMETER PIPE SHALL BE SIXTEEN (16) GAUGE WITH 2 2/3 INCH X ½ INCH CORRUGATIONS. REFER TO DETAILS IN THESE PLANS FOR ANY PIPES LARGER THAN THIRTY SIX (36) INCH DIAMETER. ALL ALUMINIZED PIPE IN CONTACT WITH CONCRETE SHALL BE PAINTED WITH TWO (2) COATS OF ZINE CHROMATE PRIMER. (TWO (2.0) FEET MINIMUM COVER).
   e. HELICAL CORRUGATED STEEL PIPE (HCMP) - SIX (6) INCH THROUGH THIRTY SIX (36) INCH SHALL BE 16 GAUGE WITH 2 2/3 INCH X ½ INCH CORRUGATIONS. ALL STEEL MATERIALS SHALL BE GALVANIZED AND ASPHALT TREATMENT, ONE (1) COATING. REFER TO DETAILS IN THESE PLANS FOR ANY PIPES LARGER THAN THIRTY SIX (36) INCHES IN DIAMETER. (TWO (2.0) FEET MINIMUM COVER).

10. ALL PIPE BEDDING SHALL BE APWA TYPE "F" FOR FLEXIBLE PIPE (I.E. PVC, SMP OR ADS). ALL RIGID PIPE (I.E. DUCTILE IRON OR CONCRETE) BEDDING SHALL BE APWA TYPE "B" FOR PIPE COVER GREATER THAN THIRTY SIX (36) INCHES OR APWA TYPE "B" FOR PIPE COVER LESS THAN THIRTY SIX (36) INCHES. BEDDING MATERIAL SHALL BE 5/8 INCH MINUS CRUSHED ROCK ONLY.

11. ALL TRENCH BACKFILL IN AREAS OF FUTURE PAVEMENT OR STRUCTURAL LOADING SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D 1557-70 (MODIFIED PROCTOR). ALL OTHER AREAS SHALL BE COMPACTED TO 90 PERCENT MINIMUM).

12. CONSTRUCTION OF DEWATERING (GROUNDWATER INTERCEPTION) SYSTEMS SHALL BE IN ACCORDANCE WITH THE APWA STANDARD SPECIFICATIONS, SECTION 61-3.02.

13. THE CONTRACTOR SHALL KEEP OFF-SITE STREETS CLEAN AT ALL TIMES BY SWEEPING. WASHING THESE STREETS WILL NOT BE ALLOWED WITHOUT PRIOR CITY OF KENT APPROVAL.

14. PRIOR TO ACCEPTANCE OF CONSTRUCTION AND/OR ISSUANCE OF OCCUPANCY PERMITS, SURVEYOR CERTIFIES AS- BUILT MYLAR DRAWINGS MUST BE PREPARED OF ALL STORM DRAINAGE FACILITIES.

15. ALL R/D FACILITIES WILL BE INSTALLED AND IN OPERATION PRIOR TO OR IN CONJUNCTION WITH ALL CONSTRUCTION ACTIVITY UNLESS THAT ACTIVITY EXCEEDS THE CAPACITY AND INTENT OF THE EROSION/SEDIMENTATION CONTROL FACILITY OR UNLESS OTHERWISE APPROVED BY THE CITY.

16. WHEN PLAIN ALUMINUM PIPE IS USED AND WHERE IT WILL BE IN CONTACT WITH CONCRETE OR CONCRETE PIPE, ALL ALUMINUM SURFACES IN CONTACT WITH THE CONCRETE OR CONCRETE PIPE SHALL BE PAINTED WITH TWO COATS OF PAINT IN ACCORDANCE WITH SECTION 7-02.3(1)B2 OF THE WSDOT/APWA STANDARD SPECIFICATIONS.

17. BIO-FILTRATION SWALES AND/OR FILTER STRIPS SHALL BE CONSTRUCTED, BEDDED OR SEEDED AND IN OPERATION PRIOR TO OR IN CONJUNCTION WITH ASPHALT PAVING. THE VEGETATION IN THE BIO-SWALE MUST BE ESTABLISHED.

GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF KENT STANDARD SPECIFICATIONS, AND WSDOT/APWA STANDARD SPECIFICATIONS, LATEST EDITION. THE CITY OF KENT RESERVES THE RIGHT TO REJECT ANY DAMAGED AND/OR NON-COMPLIANT CONSTRUCTION MATERIAL.

2. PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF KENT CONSTRUCTION INSPECTION PERSONNEL BY PHONING 253-856-5500.

3. AN APPROVED PLAN SET MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

4. ALL SITE WORK IMPROVEMENTS SHALL BE CONSTRUCTED TO OBTAIN STREET USE AND ANY OTHER RELATED PERMITS PRIOR TO ANY CONSTRUCTION ACTIVITY.

5. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN STREET USE AND ANY OTHER RELATED PERMITS PRIOR TO ANY CONSTRUCTION ACTIVITY.

6. ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN. THE CONTRACTOR SHALL CONTACT THE UNDERGROUND UTILITIES LOCATION SERVICE (811) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE AND THE ENGINEER SHALL BE CONTACTED IMMEDIATELY IF CONFLICTS EXIST.

7. LOCATIONS OF ROADWAYS, BUILDINGS AND PARKING AREAS SHOWN HEREON ARE APPROXIMATE. IMPROVEMENT AND STRUCTURE LOCATIONS SHALL BE FIELD SET BY THE SURVEYOR/ENGINEER AS REQUIRED.

8. ANY APPROVED CUTS OF EXISTING PUBLIC ROADWAYS SHALL BE BACK FILLED AND COMPACTED IN ACCORDANCE WITH CITY OF KENT STANDARDS. ALL CUTS INTO EXISTING ASPHALT SHALL BE ALONG NEAT, CONTINUOUS, SAWED, OR WHEEL CUT LINES. A TEMPORARY COLD MIX PATCH MUST BE PLACED IMMEDIATELY AFTER BACKFILL AND COMPACTION. THIS EXISTING ROAD CUT SHALL BE REPLACED WITH AT LEAST THREE (3) INCHES OF COMPACTED CL ASPHALT CONCRETE, SIX (6) INCH CRUSHED ROCK SURFACING TOP COURSE (5/8 INCH MINUS), AS REQUIRED DEPENDENT UPON A SOILS ENGINEER'S RECOMMENDATION AND TESTS. IN NO CASE SHALL THE REPLACEMENT BE LESS THAN THE EXISTING SECTION.

GENERAL WATER NOTES:

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF KENT STANDARD SPECIFICATIONS, AWWA, AND WSDOT/APWA STANDARD SPECIFICATIONS, LATEST EDITION.

2. PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF KENT CONSTRUCTION INSPECTION PERSONNEL BY PHONING 253-856-5500.

3. A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.

4. ALL WATER SYSTEM IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE APPROVED PLANS. ANY DEVIATION FROM THE PLANS WILL REQUIRE APPROVAL FROM THE OWNER, ENGINEER AND APPROPRIATE PUBLIC AGENCIES.

5. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN STREET USE AND OTHER RELATED PERMITS PRIOR TO ANY CONSTRUCTION ACTIVITY.

6. ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN. THE CONTRACTOR SHALL CONTACT THE UNDERGROUND UTILITIES LOCATION SERVICE (1-800-424-5555) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. THE OWNER OR HIS REPRESENTATIVE AND THE ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.

7. ALL NEW CONNECTIONS TO THE EXISTING WATER SYSTEM SHALL BE IN STRICT CONFORMANCE WITH THE CITY OF KENT CONSTRUCTION STANDARDS AND THE APPROPRIATE SUBSECTIONS OF SECTION 7-11 OF THE WSDOT/APWA SPECIFICATIONS. CONNECTION TO AN EXISTING MAIN SHALL BE PER CITY OF KENT STANDARD 3.8.5. NO DIRECT CONNECTION TO THE CITY'S EXISTING WATER SYSTEM WILL BE ALLOWED UNTIL PASSING PURITY AND LEAKAGE TESTING RESULTS HAVE BEEN ACHIEVED FOR THE NEW WATER MAIN EXTENSION. TEMPORARY PLUGS OR CAPS AND BLOCKING SHALL BE INSTALLED AT THE POINTS OF CONNECTION TO THE EXISTING SYSTEM. THE CONTRACTOR SHALL CONTACT THE CITY OF KENT INSPECTOR AT LEAST TWO (2) WORKING DAYS PRIOR TO THE PROPOSED CONNECTION OF THE EXISTING MAIN. THE INSPECTOR WILL ARRANGE FOR SHUT DOWNS AND NOTIFY THE WATER DEPARTMENT. THE CONTRACTOR SHALL EXPOSE THE EXISTING MAIN AND PROVIDE ALL NECESSARY FITTINGS FOR THE CONNECTIONS. THE CITY OF KENT ENGINEERING DEPARTMENT SHALL BE PRESENT WHEN THE ACTUAL CONNECTION IS MADE.

GENERAL WATER NOTES (CONTINUED:

8. TWO CUBES FOR "PIGGING" SHALL BE INSTALLED IN THE NEW WATER MAIN AT THE INITIAL CONNECTION AND AT EACH LATERAL FROM THE NEW WATER MAIN. THE WATER DIVISION SHALL PROVIDE THE CUBES PICKED UP BY THE CONTRACTOR AT THE WATER DIVISION SHOP LOCATED AT 5821 S 240TH STREET.

9. PRESSURE AND PURITY TESTING SHALL BE DONE IN THE PRESENCE OF AND UNDER THE SUPERVISION OF THE CITY OF KENT, PUBLIC WORKS DIRECTOR AND/OR HIS REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE PLUGS AND/OR TEMPORARY BLOW-OFF ASSEMBLIES FOR TESTING, FLUSHING, AND PURITY SAMPLING. ALL WATER MAINS SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH AWWA STANDARD C651-92 AND SECTION 3.8 OF THE CITY OF KENT CONSTRUCTION STANDARDS. WATER SERVICES TWO (2) INCH AND SMALLER INSTALLED PRIOR TO WATER MAIN TESTING SHALL BE TESTED WITH THE WATER MAIN.

10. ALL MATERIALS USED FOR CONSTRUCTION SHALL BE NEW AND UNDAMAGED AND SHALL BE INSPECTED AND APPROVED BY THE CITY OF KENT PRIOR TO INSTALLATION. THE CONTRACTOR SHALL PROVIDE THE CITY OF KENT WITH A CERTIFICATE OF MATERIALS FROM THE SUPPLIER IF REQUESTED. ALL PIPES, FITTINGS, VALVES, HYDRANTS, JOINTS AND RELATED APPURTENANCES SHALL CONFORM TO THE LATEST STANDARDS ISSUED BY THE WSDOT, APWA, AWWA AND THE CITY OF KENT.

11. ALL WATER MAIN PIPE SHALL BE CEMENT-LINED DUCTILE IRON CONFORMING TO ANSI-A-21-11-1977 OR LATEST REVISION, THICKNESS CLASS 52. CEMENT MORTAR LINING AND SEAL COATING SHALL CONFORM TO ANSI A-21-4-11-1974 OR LATEST REVISION. (PIPE JOINTS SHALL BE PUSH-ON, MECHANICAL JOINT OR FLANGED WITH RUBBER GASKETS.

12. ALL FITTINGS SHALL BE CAST IRON, OR DUCTILE IRON, CEMENT-LINED, CLASS 250, UNLESS OTHERWISE SPECIFIED, CONFORMING TO ANSI A-21-11-1977 OR LATEST REVISION. ALL FITTING JOINTS SHALL BE DRILLED IN ACCORDANCE WITH ANSI B-16.1 AND SHALL BE 125 LB. CONFIGURATION UNLESS OTHERWISE SPECIFIED.

13. CONCRETE BLOCKING SHALL BE PLACED AT ALL TEES, CROSSES, BENDS AND OTHER APPURTENANCES AS SHOWN ON THE PLANS OR AS DIRECTED BY THE DIRECTOR. BLOCKING SHALL BE CLASS THREE THOUSAND (3000) CEMENT CONCRETE MIX CONFORMING WITH SECTION 9-03.1(4) OF THE STANDARD SPECIFICATIONS POURED IN PLACE. BLOCKING SHALL BEAR AGAINST SOLID UNDISTURBED EARTH AT THE SIDES AND BOTTOM OF THE TRENCH EXCAVATION AND SHALL BE SECURELY WRAPPED WITH 4-MIL POLYETHYLENE SHEETING. PIPE BEDDING SHALL BE APWA CLASS 'C'. ALL TRENCH BACKFILL IN AREAS OF FUTURE PAVEMENT OR STRUCTURAL LOADING SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557-70 (MODIFIED PROCTOR). ALL OTHER AREAS SHALL BE COMPACTED TO 90 PERCENT.

14. ALL WATER MAINS TEN (10) INCHES AND SMALLER SHALL HAVE A MINIMUM COVER OF THIRTY SIX (36) INCHES BELOW FINISH GRADE. ALL WATER MAINS TWELVE (12) INCHES AND LARGER SHALL HAVE A MINIMUM COVER OF FORTY EIGHT (48) INCHES BELOW FINISH GRADE. WHERE UTILITY CONFLICTS OCCUR, WATER MAINS SHALL BE LOWERED TO CLEAR. A MINIMUM ONE (1) FOOT VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN ALL UTILITIES.

15. UNLESS OTHERWISE SPECIFIED, ALL VALVES SHALL BE GATE VALVES CONFORMING TO THE LATEST REVISIONS TO AWWA STANDARD SPECIFICATIONS FOR GATE VALVES FOR ORDINARY WATER WORKS SERVICE NO. C-509. THEY SHALL BE IRON-BODY, BRONZE-MOUNTED, RESILIENT SEATED VALVES WITH A BRONZE WEDGING DEVICE AND A O-RING STUFFING BOX. ALL VALVES SHALL BE FLANGED OR MECHANICAL JOINT SUITABLE FOR INSTALLATION WITH THE TYPE AND CLASS OF PIPES BEING USED. ALL VALVES SHALL OPEN COUNTERCLOCKWISE, AND UNLESS OTHERWISE SPECIFIED, SHALL BE A NON-RISING STEM TYPE EQUIPPED WITH A TWO (2) INCH SQUARE OPERATING NUT. ALL VALVES SHALL BE FURNISHED WITH A NEW VALVE BOX AND COVER, AND ALSO A VALVE MARKER POST WHEN THE VALVE IS NOT WITHIN A PAVED AREA. A CONCRETE VALVE MARKER POST SHALL HAVE A FOUR (4) INCH MINIMUM SQUARE SECTION AND A MINIMUM HEIGHT OF FORTY TWO (42) INCHES WITH BEVELED EDGES AND CONTAIN AT LEAST 1 3/8 INCH DIAMETER BAR OF REINFORCING STEEL. MARKERS SHALL BE PLACED AS DIRECTED BY THE ENGINEER AND SET AS TO LEAVE EIGHTEEN (18) INCHES EXPOSED ABOVE GRADE. (SEE STANDARD DETAIL 3-4 IN APPENDIX "B").

ALL FIRE HYDRANTS SHALL BE COMPRESSION TYPE, BREAK-AWAY (TRAFFIC MODEL) HYDRANTS (COREY STYLE HYDRANTS ARE NOT ALLOWED) CONFORMING TO AWWA C502 UNLESS OTHERWISE SHOWN, AND INSTALLED IN ACCORDANCE WITH CITY OF KENT STANDARDS. THE HYDRANT LEADS SHALL BE A MINIMUM OF SIX (6) INCHES IN DIAMETER. AUXILIARY VALVES SHALL BE INSTALLED IN THE HYDRANT LEADS LOCATED AT THE CONNECTION TO THE CITY MAIN. ALL HYDRANTS SHALL BE EQUIPPED WITH A DRAIN. A GRAVEL POCKET OR DRY WELL SHALL BE PROVIDED. HYDRANT DRAINS SHALL NOT BE CONNECTED TO STORM DRAINS OR LOCATED WITHIN TEN (10) FEET OF OR CONNECTED TO SANITARY SEWERS. HYDRANTS SHALL BE PAINTED WITH TWO (2) COATS OF FARWEST WONDERGLO QUICK SET HI-PERFORMANCE ENAMEL. PUBLIC HYDRANTS ARE WHITE #1100 SERIES AND PRIVATE HYDRANTS ARE YELLOW #X3472. PRIVATE HYDRANTS REQUIRE AN APPROVED DOUBLE CHECK DETECTOR ASSEMBLY LOCATED ON PRIVATE PROPERTY. CONCRETE FIRE HYDRANT GUARD POSTS SHALL BE FURNISHED AND INSTALLED WITH FIRE HYDRANTS AS DIRECTED BY THE ENGINEER. THE GUARD POSTS SHALL BE MADE OF REINFORCED CONCRETE, EIGHT (8) INCH IN DIAMETER, SIX (6) FEET LONG AND BURIED TO A MINIMUM DEPTH OF THREE (3) FEET. GUARD POSTS SHALL NOT BE SET HIGHER THAN THE TOP OF THE FIRE HYDRANTS, THEY SHALL BE PLUMB, AND WHERE TWO POSTS ARE USED AT A HYDRANT, THEY SHALL BE SET WITH THEIR TOPS AT THE SAME ELEVATION. THE EXPOSED PORTION OF THE GUARD POSTS SHALL BE PAINTED WITH TWO (2) COATS OF WHITE CONCRETE PAINT, APPROVED BY THE ENGINEER. (SEE STANDARD DETAIL 3-1 & 3.1(A) IN APPENDIX "B")

17. USING WATER FROM HYDRANTS, BLOWOFFS, WATER SERVICES PRIOR TO METER INSTALLATION OR OTHER SOURCES OT

Attachment D
CID Documentation

ENVIRONMENTAL PARTNERS INC

1180 NW Maple Street, Suite 310 Issaquah, Washington 98027 ph 425.395.0010

September 29, 2016

Mr. Byung Maeng
Washington State Department of Ecology
Northwest Regional Office
3190 – 160th Avenue SE
Bellevue, Washington 98008-5452

Re: Request for "Contained-In" Determination
Former Meeker Cleaners Site
1317 W. Meeker St., Kent, Washington
Cleanup Site ID 1177
Facility/Site ID 87719977

EPI Project Number: 65112.3

Dear Mr. Maeng:

On behalf of MJR Development, Environmental Partners, Inc. (EPI) is requesting a "contained-in" determination for remediation waste that will be generated as a result of a remedial action to be conducted at the Former Meeker Cleaners Site located at 1317 West Meeker Street in Kent, Washington (Site). The location of the Site is shown on Figure 1. The Site was previously enrolled in the Washington State Department of Ecology (Ecology) Voluntary Cleanup Program (VCP) as Site No. NW0879, which was terminated in 2006.

BACKGROUND

The former Meeker Cleaners dry cleaning business historically operated from approximately 1991 through 1999 within a small, two-unit building at the south end of the Meeker Square shopping center property. The area where the building was located is now used for parking associated with the shopping center (Figure 2).

Soil and groundwater at the Site were impacted with perchloroethylene (PCE) as a result of historical releases of dry cleaning solvent from the former dry cleaning business. In 2002, approximately 1,500 tons of PCE-impacted soil were removed from the Former Meeker Cleaners Site. After completion of the remedial action, a small amount of residual PCE impacts reportedly remained in soil and groundwater near the water table. PCE was detected in two of the confirmation samples (C10-5' and E10-5.5') from the bottom limits of the excavation (i.e., 5 to 5.5 feet below the ground surface [bgs]) at concentrations of 0.32 milligrams/kilogram (mg/kg) and 0.65 mg/kg. A copy of the confirmation soil sampling map and associated data tables for the 2002 excavation is provided as Attachment A.

In 2015, EPI performed a subsurface investigation to delineate remaining impacts in the vicinity of the Site and an adjacent gas station site referred to as the Meeker Former Gas Station Site. The investigation

areas are illustrated on Figure 2. The findings indicate that soil at the Former Meeker Cleaners Site is primarily impacted with heavy oil-range organics (ORO) and that a minor amount of PCE-impacted soil remains within one localized area of the Site that is coincident with the ORO impacted area. The soil data indicate that PCE was detected in two samples (i.e., B-13 and B-15) collected from a depth of 5 feet below the ground surface (bgs) at concentrations of 0.072 mg/kg and 0.028 mg/kg. The sampling locations from the investigation are shown on Figure 2 and associated analytical results are summarized in Table 1. Copies of the laboratory analytical reports are provided in Attachment B.

Following completion of the 2015 investigation, a Cleanup Action Plan was prepared to identify remedial objectives and present a technical basis for conducting a cleanup action to address soil impacts remaining at the Meeker Square commercial property, including the Former Meeker Cleaners Site. Based on the site conditions and remedial objectives, a remedial action consisting of direct excavation and off-site disposal of contaminated soils was selected as an appropriate strategy for the Site. The selection of this remedial strategy was based on the following rationale:

- The depth and lateral extent of impacted soils is limited and well delineated.
- The impacted soils are shallow and accessible to direct excavation using standard excavation equipment.
- Excavation is practicable, highly effective, permanent, and its effectiveness is quantifiable through performance/confirmation sampling.

The excavation activities are tentatively scheduled for completion during November 2016 and will take 3 to 4 weeks to complete. The work will be focused on removing ORO-impacted soil from the Former Meeker Cleaners Site in the areas depicted on Figure 3. Two areas will require excavation: a smaller area near the southern property boundary containing ORO impacts from near surface to depths of approximately 3 feet and 6 feet bgs; and a larger area northeast of the smaller area containing ORO impacts from near surface to depths of 3 feet, 5 feet, and 6 feet bgs. Based on the areas shown on Figure 3, it is estimated that approximately 1,295 bank cubic yards of ORO-impacted soil will be excavated from the property.

Based on the soil data for the Site, the larger area requiring excavation to 6 feet bgs (encompassing samples B-13 and B-15) and a portion of the adjacent area requiring excavation to 5 feet bgs (vicinity of 2002 samples C10-5' and E10-5.5') is expected to contain low concentration residual PCE. It is estimated that approximately 620 bank cubic yards of soil to be excavated from these areas will potentially contain detectable PCE at concentrations ranging between 0.02 and 0.65 mg/kg.

REQUEST FOR "CONTAINED-IN" DETERMINATION

Under the Washington Dangerous Waste Regulations (WAC 173-303) and the Resource Conservation and Recovery Act (RCRA), the remediation waste soil, which will be generated from the soil removal action and which contains detectable PCE, would carry an F002 waste code and would require disposal at an approved Subtitle C hazardous waste facility.

EPI is requesting that Ecology grant a "contained-in" determination for the Site, which would exempt a portion of the generated waste that contains only low levels of PCE from the F002 waste code. Based on previous communications with you, it is our understanding that for a "contained-in" determination, the

typical allowable threshold for PCE in soil is 20 times the Toxicity Characteristic threshold (WAC 173-303-090) level of 0.7 mg/L, or 14 mg/kg. Therefore, if the "contained-in" determination is granted, it is anticipated that excavated soil with an *in situ* concentration less than 14 mg/kg would be disposed of at an approved Subtitle D landfill subject to the other restrictions within the contained-in determination (e.g., direct transport).

As noted above, the currently available data indicate that a total of about 620 cubic yards (e.g., about 930 tons) of soil will meet the contained-in threshold of 14 mg/kg. During excavation, additional soil samples may be collected to confirm or evaluate *in situ* concentrations of halogenated volatile organic compounds (hVOCs) using U.S. Environmental Protection Agency (EPA) Method 8260C. All of the samples will be collected using an EPA Method 5035A sampling device and placed into a laboratory-supplied vial containing methanol preservative. The samples will be transported in a chilled cooler to an accredited laboratory under standard chain-of-custody protocol for analysis. The final determination of soil to be disposed under any contained-in determination or as hazardous waste will be made based on the combination of *in situ* data from the 2002 and 2015 sampling activities and *in situ* data collected during the implementation of the remedial action. No samples of excavated soils or stockpiled soils will be used for waste characterization purposes.

Your prompt attention to this matter would be greatly appreciated. If you have any questions or comments, please contact either of us at your earliest convenience at (425) 395-0030.

Sincerely,

State of Washington
9/28/16
2013
Eric Kottes, L.G.
Licensed Geologist
FOR

Senior Geologist

SEAN P. TRIMBLE

FOR

Tena Seeds, P.E.
Senior Engineer

cc: Mr. Mike Raskin, MJR Development

ENCLOSURES

Table

Table 1	Summary of Soil Analytical Results (in mg/kg)

Figures

Figure 1	General Vicinity Map
Figure 2	Site Representation with 2015 Investigation Areas
Figure 3	Estimated Extent of Impacted Soil to be Excavated

Attachment

Attachment A	2002 Confirmation Sampling Data
Attachment B	Laboratory Analytical Reports

Table

Table 1
Summary of Soil Analytical Results (in mg/kg)
Former Meeker Cleaners Site
1317 West Meeker Street, Kent, WA

Sample Location	Sample Depth (feet)	Sample Date	Petroleum Hydrocarbons		Detected VOCs[b]
			DRO[a]	ORO[a]	Perchloroethylene (PCE)
B-11	5	10/23/15	<50	<250	<0.025
B-12	5	10/23/15	<50	<250	<0.025
B-13	5	10/23/15	**310 x**	**4,000**	**0.072**
B-14	5	11/6/15	<50	<250	<0.025
B-15	5	10/23/15	**260 x**	**4,700**	**0.028**
B-16	5	10/23/15	**300 x**	**3,600**	<0.025
B-17	6	10/23/15	<50	**870**	<0.025
B-18	5	10/23/15	<50	<250	<0.025
B-19	5	11/6/15	<50	<250	<0.025
B-20	5	11/6/15	<50	<250	<0.025
B-21	5	11/6/15	<50	<250	--
B-22	5	11/6/15	<50	<250	--
B-23	5	11/6/15	<50	<250	--
B-24	2	11/20/15	**490 x**	**4,200**	--
	4	11/20/15	**330 x**	**4,800**	--
	6	11/20/15	<50	<250	--
	8	11/20/15	<50	<250	--
	10	11/20/15	<50	<250	--
	15	11/20/15	<50	<250	--
B-25	2	11/20/15	<50	<250	--
	4	11/20/15	<50	<250	--
	6	11/20/15	<50	<250	--
	8	11/20/15	<50	<250	--
	10	11/20/15	<50	<250	--
B-26	2	11/20/15	**270 x**	**4,300**	--
	4	11/20/15	**290 x**	**4,600**	--
	6	11/20/15	<50	<250	--
	8	11/20/15	<50	<250	--
	10	11/20/15	<50	<250	--
	15	11/20/15	<50	<250	--
B-27	2	11/20/15	<50	<250	--
	4	11/20/15	<50	<250	--
	6	11/20/15	<50	<250	--
	8	11/20/15	<50	<250	--
	10	11/20/15	<50	<250	--
	15	11/20/15	<50	<250	--

Table 1
Summary of Soil Analytical Results (in mg/kg)
Former Meeker Cleaners Site
1317 West Meeker Street, Kent, WA

Sample Location	Sample Depth (feet)	Sample Date	Petroleum Hydrocarbons		Detected VOCs[b]
			DRO[a]	ORO[a]	Perchloroethylene (PCE)
B-28	2	11/20/15	**200 x**	**2,600**	--
	4	11/20/15	<50	<250	--
	6	11/20/15	<50	<250	--
	8	11/20/15	<50	<250	--
	10	11/20/15	<50	<250	--
B-29	2	11/20/15	<50	<250	--
	4	11/20/15	<50	<250	--
	6	11/20/15	<50	<250	--
	8	11/20/15	<50	<250	--
	10	11/20/15	<50	<250	--
B-30	2	11/20/15	<50	<250	--
	4	11/20/15	<50	<250	--
	6	11/20/15	<50	<250	--
	8	11/20/15	<50	<250	--
	10	11/20/15	<50	<250	--
B-31	2	11/20/15	<50	<250	--
	4	11/20/15	<50	<250	--
	6	11/20/15	<50	<250	--
	8	11/20/15	<50	<250	--
	10	11/20/15	<50	<250	--
B-32	2	11/20/15	**85 x**	**2,200**	--
	4	11/20/15	<50	<250	--
	6	11/20/15	<50	<250	--
	8	11/20/15	<50	<250	--
	10	11/20/15	<50	<250	--
	15	11/20/15	<50	<250	--
B-33	2	11/20/15	<50	<250	--
	4	11/20/15	<50	<250	--
	6	11/20/15	<50	**570**	--
	8	11/20/15	<50	<250	--
	10	11/20/15	<50	<250	--
B-34	2	11/20/15	**180 x**	**2,600**	--
	4	11/20/15	**200 x**	**2,600**	--
	6	11/20/15	<50	<250	--
	8	11/20/15	<50	<250	--
	10	11/20/15	<50	<250	--

Table 1
Summary of Soil Analytical Results (in mg/kg)
Former Meeker Cleaners Site
1317 West Meeker Street, Kent, WA

Sample Location	Sample Depth (feet)	Sample Date	Petroleum Hydrocarbons		Detected VOCs[b]
			DRO[a]	ORO[a]	Perchloroethylene (PCE)
B-35	2	11/20/15	<50	<250	--
	4	11/20/15	<50	<250	--
	6	11/20/15	<50	<250	--
	8	11/20/15	<50	<250	--
	10	11/20/15	<50	<250	--
MTCA Method A Soil Cleanup Level for Unrestricted Land Use			**2,000**	**2,000**	**0.05**

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 Diesel-range (DRO) and Oil-range organics (ORO) analyzed by NWTPH-Dx, unless otherwise noted.

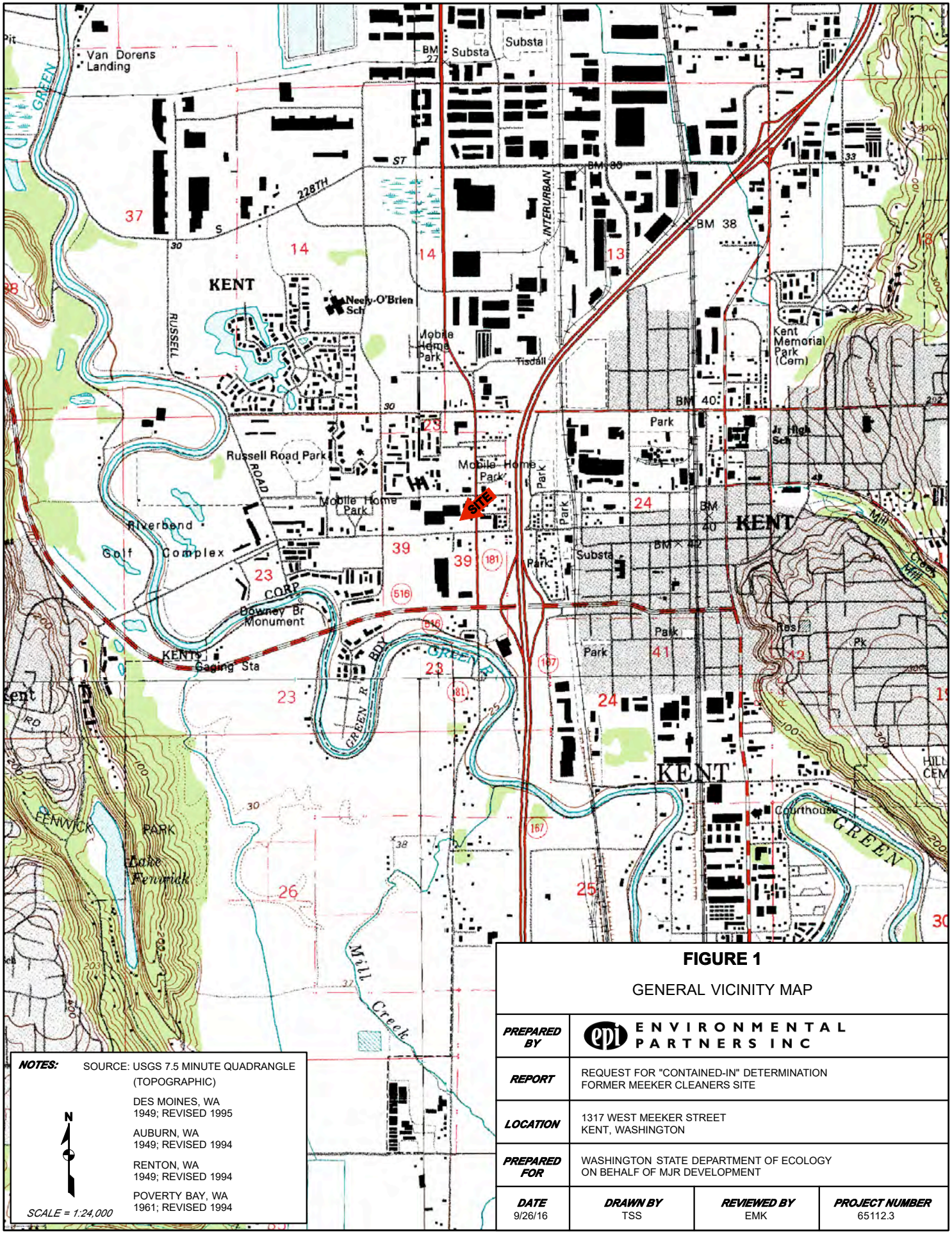
b Volatile Organic Compounds (VOCs) analyzed by EPA Method 8260C.

-- Not analyzed.

Qualfiier:

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

Figures



NOTES:

SOURCE: USGS 7.5 MINUTE QUADRANGLE (TOPOGRAPHIC)

DES MOINES, WA
1949; REVISED 1995

AUBURN, WA
1949; REVISED 1994

RENTON, WA
1949; REVISED 1994

POVERTY BAY, WA
1961; REVISED 1994

N

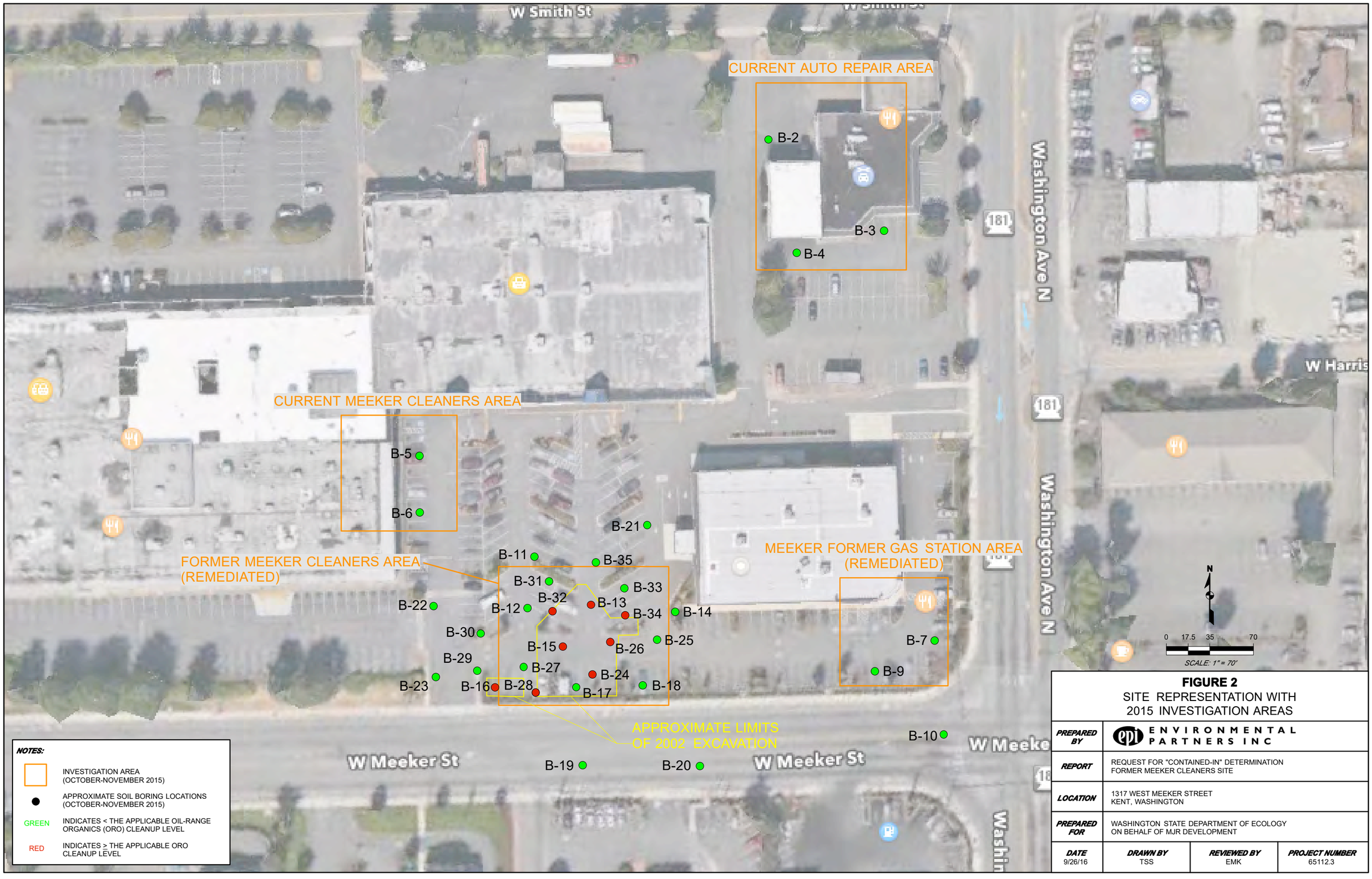
SCALE = 1:24,000

FIGURE 1

GENERAL VICINITY MAP

PREPARED BY	ENVIRONMENTAL PARTNERS INC
REPORT	REQUEST FOR "CONTAINED-IN" DETERMINATION FORMER MEEKER CLEANERS SITE
LOCATION	1317 WEST MEEKER STREET KENT, WASHINGTON
PREPARED FOR	WASHINGTON STATE DEPARTMENT OF ECOLOGY ON BEHALF OF MJR DEVELOPMENT

DATE	***DRAWN BY***	***REVIEWED BY***	***PROJECT NUMBER***
9/26/16	TSS	EMK	65112.3



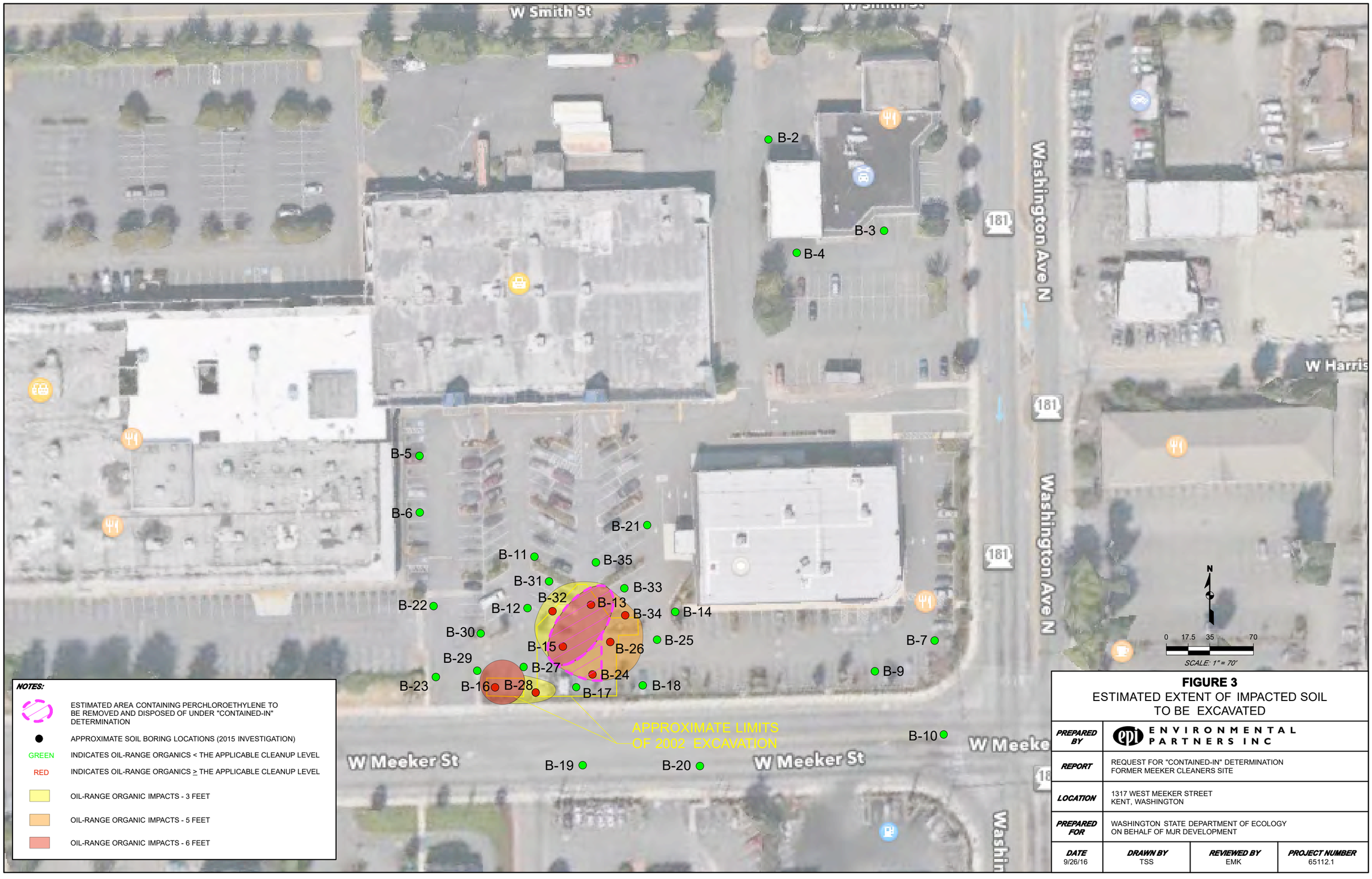
NOTES:

- INVESTIGATION AREA (OCTOBER-NOVEMBER 2015)
- APPROXIMATE SOIL BORING LOCATIONS (OCTOBER-NOVEMBER 2015)
- GREEN — INDICATES < THE APPLICABLE OIL-RANGE ORGANICS (ORO) CLEANUP LEVEL
- RED — INDICATES ≥ THE APPLICABLE ORO CLEANUP LEVEL

FIGURE 2
SITE REPRESENTATION WITH
2015 INVESTIGATION AREAS

PREPARED BY	ENVIRONMENTAL PARTNERS INC
REPORT	REQUEST FOR "CONTAINED-IN" DETERMINATION FORMER MEEKER CLEANERS SITE
LOCATION	1317 WEST MEEKER STREET KENT, WASHINGTON
PREPARED FOR	WASHINGTON STATE DEPARTMENT OF ECOLOGY ON BEHALF OF MJR DEVELOPMENT

DATE	DRAWN BY	REVIEWED BY	PROJECT NUMBER
9/26/16	TSS	EMK	65112.3



NOTES:

	ESTIMATED AREA CONTAINING PERCHLOROETHYLENE TO BE REMOVED AND DISPOSED OF UNDER "CONTAINED-IN" DETERMINATION
●	APPROXIMATE SOIL BORING LOCATIONS (2015 INVESTIGATION)
GREEN	INDICATES OIL-RANGE ORGANICS < THE APPLICABLE CLEANUP LEVEL
RED	INDICATES OIL-RANGE ORGANICS ≥ THE APPLICABLE CLEANUP LEVEL
	OIL-RANGE ORGANIC IMPACTS - 3 FEET
	OIL-RANGE ORGANIC IMPACTS - 5 FEET
	OIL-RANGE ORGANIC IMPACTS - 6 FEET

FIGURE 3
ESTIMATED EXTENT OF IMPACTED SOIL TO BE EXCAVATED

PREPARED BY	EPI ENVIRONMENTAL PARTNERS INC		
REPORT	REQUEST FOR "CONTAINED-IN" DETERMINATION FORMER MEEKER CLEANERS SITE		
LOCATION	1317 WEST MEEKER STREET KENT, WASHINGTON		
PREPARED FOR	WASHINGTON STATE DEPARTMENT OF ECOLOGY ON BEHALF OF MJR DEVELOPMENT		
DATE 9/26/16	DRAWN BY TSS	REVIEWED BY EMK	PROJECT NUMBER 65112.1

Attachment A
2002 Confirmation Sampling Data

LEGEND

- ⊙ Former Vapor Probe Location
- • Soil Sampling Location
- ⌖ Drive-Point Sampling Location
- ⊙ Drive-Point Sampling Location and Piezometer
- ○ Remediation Soil Samples

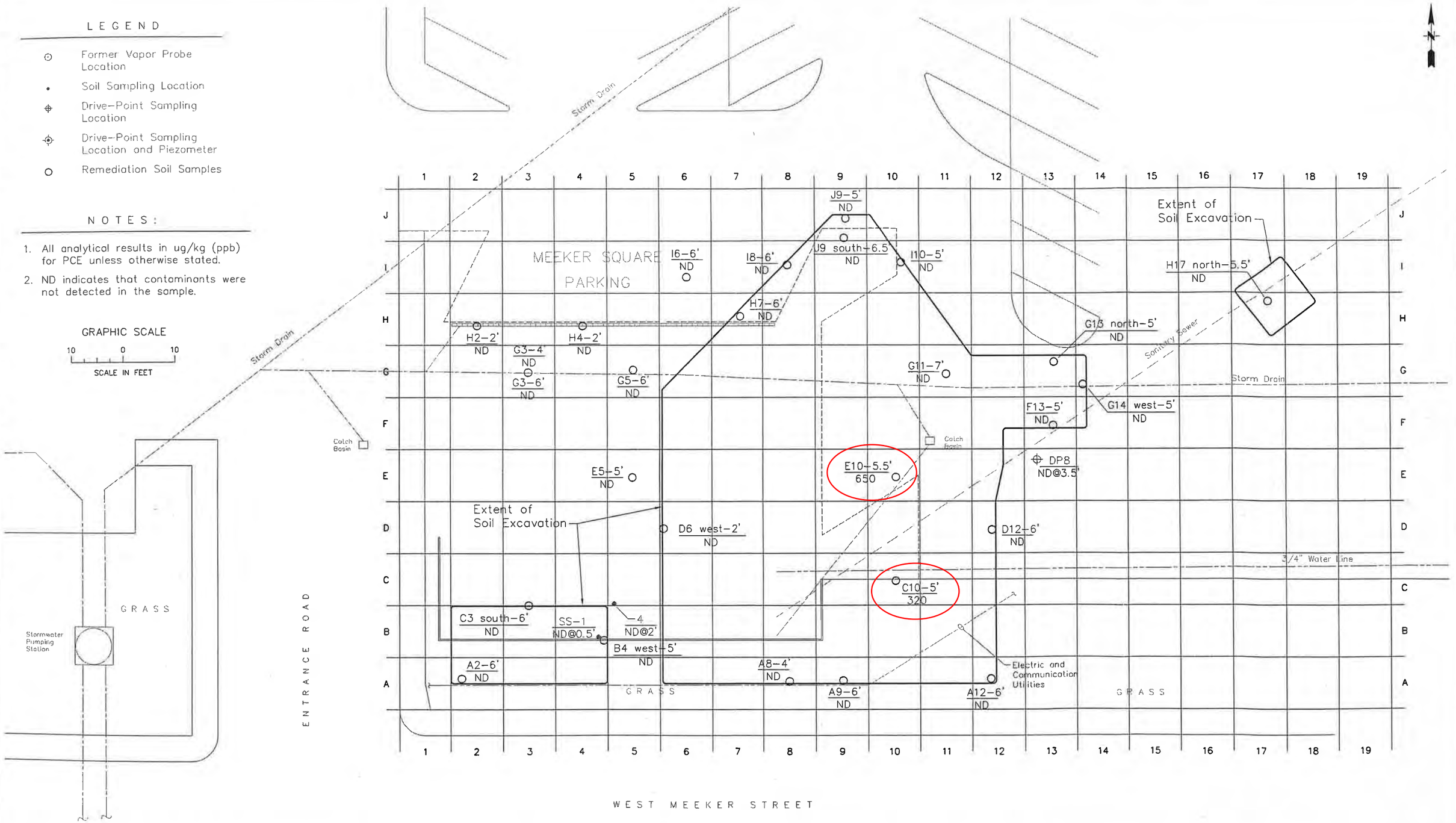
NOTES:

1. All analytical results in ug/kg (ppb) for PCE unless otherwise stated.
2. ND indicates that contaminants were not detected in the sample.

GRAPHIC SCALE

10 0 10

SCALE IN FEET



SCS ENGINEERS
STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS
2405 140TH AVE NE, SUITE 107, BELLEVUE, WA 98005 (425) 746-4600

PROJECT NO. 04202001.00	DES BY B.D.	CONFIRMATION SOIL SAMPLING LOCATIONS AND BASIS FOR EXTENT OF EXCAVATION FORMER MEEKER CLEANERS KENT, WASHINGTON	DATE MAY 2002
SCALE AS SHOWN	CHK BY B.D.		FIGURE 6
CAD FILE XAA01845	APP BY G.H.		

Table 5 Laboratory Analytical Results for Confirmation Soil Samples in µg/kg (ppb) by EPA Method 8021B

Sample Name	Tetrachloroethene (PCE)	Trichloroethene (TCE)	Sample Date	Comment
A8-4'	<20	<20	April 9, 2002	South Wall
A9-6'	<20	<20	April 9, 2002	South Wall
D6west-2'	<20	<20	April 10, 2002	West Wall
C10-5'	***320***	***82***	April 10, 2002	East Floor
D12-6'	<20	<20	April 10, 2002	East Wall
A2-6'	<20	<20	April 11, 2002	Excavation at A3, Southwest Wall
C3south-6'	<20	<20	April 11, 2002	Excavation at A3, North Wall
B4west-5'	<20	<20	April 11, 2002	Excavation at A3, East Wall
E10-5.5'	***650***	<20	April 11, 2002	East Floor
H8-6'	NA	NA	April 12, 2002	Northwest Floor, Not Analyzed
I8-6'	<20	<20	April 12, 2002	Northwest Wall
J9-5'	<20	<20	April 12, 2002	North Wall
J9south-6.5'	<20	<20	April 12, 2002	North Floor
I10-5'	<20	<20	April 12, 2002	Northeast Wall
A12-6'	<20	<20	April 15, 2002	Southeast Corner
F13-5'	<20	<20	May 9, 2002	Northeast Corner Along Storm Drain Line
G13north-5'	<20	<20	May 9, 2002	Northeast Corner Along Storm Drain Line
G14west-5'	<20	<20	May 9, 2002	Northeast Corner Along Storm Drain Line
Cleanup Level	50	50	Washington State MTCA Method A Cleanup Level, Revised August 2001	

Bold Indicates the concentration exceeds the MTCA cleanup level.

The laboratory results of the confirmation soil samples indicate that contaminated soil was removed to the extent practical. At locations C10 and E10, chlorinated solvent contamination remains in the saturated soils beneath the floor of the excavation.

Analytical Results by EPA Method 8260

Selected soil samples were analyzed by the ESN laboratory by EPA Method 8260. Compared to Method 8021B, Method 8260 provides data for a broader suite of analytes. Although, both analytical methods provide the same detection limits for PCE and TCE, Method 8260 provides lower detection limits for many analytes (e.g., dichloroethenes and vinyl chloride). A summary of analytical results for Method 8260 analytical results is provided in Table 5. Complete laboratory reports are included in Appendix C.

Table 6 Laboratory Analytical Results for Soil Samples in µg/kg (ppb) by EPA Method 8260

Sample Name	Tetrachloroethene (PCE)	Trichloroethene (TCE)	Sample Date	Comment
A9-6'	<20	<20	April 9, 2002	South Wall Confirmation Sample
D6west-2'	<20	<20	April 9, 2002	West Wall Confirmation Sample
D12-6'	<20	<20	April 10, 2002	East Wall Confirmation Sample
E10-5.5'	***440***	<20	April 11, 2002	East Floor Confirmation Sample
G5-6'	<20	<20	April 8, 2002	Test Pit Sample Along Storm Line to West
G11-7'	<20	<20	April 9, 2002	Test Pit Sample Near Northeast Corner
J9south-6.5'	<20	<20	April 12, 2002	North Floor Confirmation Sample
Cleanup Level	50	50	Washington State MTCA Method A Cleanup Level, Revised August 2001	

Bold Indicates the concentration exceeds the MTCA cleanup level.

All samples for 8260 analysis were analyzed within the holding time established for the analytical method. The ESN laboratory is accredited by the Washington State Department of Ecology for EPA Method 8260. Although Method 8260 provides lower analytical detection limits for many compounds, no additional compounds were detected over what had already been identified by Method 8021B. The results of the 8260 analyses compare favorably with the results of the 8021B analyses and tend to confirm the 8021B results.

Attachment B
Laboratory Analytical Reports

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
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 30, 2015

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

RE: 65112.0, F&BI 510383

Dear Mr. Koltes:

Included are the results from the testing of material submitted on October 26, 2015 from the 65112.0, F&BI 510383 project. There are 30 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, Monica Mogg
EPI1030R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on October 26, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 510383 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
510383 -01	B-17:6
510383 -02	B-17:10
510383 -03	B-17
510383 -04	B-18:5
510383 -05	B-18:10
510383 -06	B-18
510383 -07	B-15:5
510383 -08	B-15:10
510383 -09	B-15
510383 -10	B-13:5
510383 -11	B-13:8
510383 -12	B-13
510383 -13	B-12:5
510383 -14	B-12:8
510383 -15	B-12
510383 -16	B-16:5
510383 -17	B-16:10
510383 -18	B-16
510383 -19	B-11:5
510383 -20	B-11:10
510383 -21	B-11
510383 -22	B-5:5
510383 -23	B-5:10
510383 -24	B-5
510383 -25	B-6:5
510383 -26	B-6:10
510383 -27	B-6

The 8260C trans-1,3-dichloropropene and 2,2-dichloropropane laboratory control sample and laboratory control sample duplicate exceeded the acceptance criteria. These analytes were not detected in the samples, therefore the data were acceptable. In addition, the 8260C dichlorodifluoromethane matrix spike and matrix spike duplicate relative percent difference sample exceeded the acceptance criteria. The laboratory control sample met the acceptance criteria, therefore the results were likely due to matrix effect.

All other quality control requirements were acceptable.

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383
Date Extracted: 10/27/15
Date Analyzed: 10/27/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-17:6 510383-01	<50	870	103
B-18:5 510383-04	<50	<250	90
B-15:5 510383-07	260 x	4,700	98
B-13:5 510383-10	310 x	4,000	97
B-12:5 510383-13	<50	<250	103
B-16:5 510383-16	300 x	3,600	99
B-11:5 510383-19	<50	<250	103
Method Blank 05-2196 MB2	<50	<250	96

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383
Date Extracted: 10/28/15
Date Analyzed: 10/28/15

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
B-17 510383-03	550 x	320 x	96
B-18 510383-06	120 x	<270	78
B-15 510383-09	560 x	500 x	91
B-13 510383-12	170 x	<250	91
B-12 510383-15	98 x	<260	81
B-16 510383-18	280 x	330 x	86
B-11 510383-21	91 x	<250	85
Method Blank 05-2210 MB	<50	<250	91

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-17:6	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-01
Date Analyzed:	10/26/15	Data File:	102621.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	96	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-18:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-04
Date Analyzed:	10/26/15	Data File:	102622.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	95	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-15:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-07
Date Analyzed:	10/26/15	Data File:	102623.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	62	142
Toluene-d8	95	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	0.028
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-13:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-10
Date Analyzed:	10/26/15	Data File:	102624.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	94	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	0.072
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-12:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-13
Date Analyzed:	10/26/15	Data File:	102625.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	62	142
Toluene-d8	96	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-16:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-16
Date Analyzed:	10/26/15	Data File:	102626.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	95	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-11:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-19
Date Analyzed:	10/26/15	Data File:	102627.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	62	142
Toluene-d8	94	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-5:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-22
Date Analyzed:	10/26/15	Data File:	102628.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	97	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-6:5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-25
Date Analyzed:	10/26/15	Data File:	102629.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	62	142
Toluene-d8	96	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	05-2159 mb
Date Analyzed:	10/26/15	Data File:	102608.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	96	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-17	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-03
Date Analyzed:	10/26/15	Data File:	102633.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	95	63	127
4-Bromofluorobenzene	98	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	21	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	1.4	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	26	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-18	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-06
Date Analyzed:	10/26/15	Data File:	102634.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	96	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	1.1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-15	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-09
Date Analyzed:	10/26/15	Data File:	102635.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	96	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.95	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	1.8	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-13	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-12
Date Analyzed:	10/26/15	Data File:	102636.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	95	63	127
4-Bromofluorobenzene	99	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	1.8	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-12	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-15
Date Analyzed:	10/26/15	Data File:	102637.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	95	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-16	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-18
Date Analyzed:	10/26/15	Data File:	102638.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	95	63	127
4-Bromofluorobenzene	99	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-11	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-21
Date Analyzed:	10/26/15	Data File:	102639.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	57	121
Toluene-d8	96	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-5	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-24
Date Analyzed:	10/26/15	Data File:	102640.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	57	121
Toluene-d8	96	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-6	Client:	Environmental Partners
Date Received:	10/26/15	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	510383-27
Date Analyzed:	10/27/15	Data File:	102641.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	96	63	127
4-Bromofluorobenzene	99	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.0, F&BI 510383
Date Extracted:	10/26/15	Lab ID:	05-2158 mb
Date Analyzed:	10/26/15	Data File:	102617.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	98	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 510369-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	210	106	106	63-146	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	114	79-144

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	104	114	63-142	9

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 510385-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	21	16	10-142	27 vo
Chloromethane	mg/kg (ppm)	2.5	<0.5	42	41	10-126	2
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	47	43	10-138	9
Bromomethane	mg/kg (ppm)	2.5	<0.5	57	58	10-163	2
Chloroethane	mg/kg (ppm)	2.5	<0.5	60	55	10-176	9
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	52	48	10-176	8
Acetone	mg/kg (ppm)	12.5	<0.5	72	74	10-163	3
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	61	56	10-160	9
Hexane	mg/kg (ppm)	2.5	<0.25	49	42	10-137	15
Methylene chloride	mg/kg (ppm)	2.5	<0.5	80	80	10-156	0
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	96	91	21-145	5
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	71	66	14-137	7
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	79	75	19-140	5
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	135	126	10-158	7
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	77	73	25-135	5
Chloroform	mg/kg (ppm)	2.5	<0.05	78	75	21-145	4
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	80	80	19-147	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	75	73	12-160	3
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	96	90	10-156	6
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	72	69	17-140	4
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	100	91	9-164	9
Benzene	mg/kg (ppm)	2.5	<0.03	75	72	29-129	4
Trichloroethene	mg/kg (ppm)	2.5	<0.02	75	72	21-139	4
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	85	83	30-135	2
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	85	82	23-155	4
Dibromomethane	mg/kg (ppm)	2.5	<0.05	76	74	23-145	3
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	87	86	24-155	1
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	99	98	28-144	1
Toluene	mg/kg (ppm)	2.5	<0.05	79	80	35-130	1
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	115	117	26-149	2
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	83	84	10-205	1
2-Hexanone	mg/kg (ppm)	12.5	<0.5	89	92	15-166	3
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	84	85	31-137	1
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	82	79	20-133	4
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	99	98	28-150	1
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	98	100	28-142	2
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	83	82	32-129	1
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	83	82	32-137	1
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	108	104	31-143	4
m,p-Xylene	mg/kg (ppm)	5	<0.1	85	83	34-136	2
o-Xylene	mg/kg (ppm)	2.5	<0.05	86	83	33-134	4
Styrene	mg/kg (ppm)	2.5	<0.05	84	84	35-137	0
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	86	83	31-142	4
Bromoform	mg/kg (ppm)	2.5	<0.05	108	105	21-156	3
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	86	83	23-146	4
Bromobenzene	mg/kg (ppm)	2.5	<0.05	87	86	34-130	1
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	88	86	18-149	2
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	88	86	28-140	2
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	89	87	25-144	2
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	86	83	31-134	4
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	85	83	31-136	2
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	89	86	30-137	3
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	86	83	10-182	4
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	88	84	23-145	5
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	87	85	21-149	2
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	86	84	30-131	2
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	85	82	29-129	4
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	87	84	31-132	4
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	118	114	11-161	3
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	85	82	22-142	4
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	94	88	10-142	7
Naphthalene	mg/kg (ppm)	2.5	<0.05	86	83	14-157	4
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	87	84	20-144	4

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	36	10-146
Chloromethane	mg/kg (ppm)	2.5	53	27-133
Vinyl chloride	mg/kg (ppm)	2.5	63	22-139
Bromomethane	mg/kg (ppm)	2.5	72	38-114
Chloroethane	mg/kg (ppm)	2.5	70	10-163
Trichlorofluoromethane	mg/kg (ppm)	2.5	74	10-196
Acetone	mg/kg (ppm)	12.5	85	52-141
1,1-Dichloroethene	mg/kg (ppm)	2.5	77	47-128
Hexane	mg/kg (ppm)	2.5	77	43-142
Methylene chloride	mg/kg (ppm)	2.5	91	42-132
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	109	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	85	67-127
1,1-Dichloroethane	mg/kg (ppm)	2.5	93	68-115
2,2-Dichloropropane	mg/kg (ppm)	2.5	155	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	72-113
Chloroform	mg/kg (ppm)	2.5	91	66-120
2-Butanone (MEK)	mg/kg (ppm)	12.5	94	57-123
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	88	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	113	62-131
1,1-Dichloropropene	mg/kg (ppm)	2.5	88	69-128
Carbon tetrachloride	mg/kg (ppm)	2.5	117	60-139
Benzene	mg/kg (ppm)	2.5	89	68-114
Trichloroethene	mg/kg (ppm)	2.5	88	64-117
1,2-Dichloropropane	mg/kg (ppm)	2.5	100	72-127
Bromodichloromethane	mg/kg (ppm)	2.5	99	72-130
Dibromomethane	mg/kg (ppm)	2.5	90	70-120
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	100	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	119	75-136
Toluene	mg/kg (ppm)	2.5	94	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	137 vo	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	98	75-113
2-Hexanone	mg/kg (ppm)	12.5	107	33-152
1,3-Dichloropropane	mg/kg (ppm)	2.5	100	72-130
Tetrachloroethene	mg/kg (ppm)	2.5	98	72-114
Dibromochloromethane	mg/kg (ppm)	2.5	117	74-125
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	119	74-132
Chlorobenzene	mg/kg (ppm)	2.5	97	76-111
Ethylbenzene	mg/kg (ppm)	2.5	97	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	125	69-135
m,p-Xylene	mg/kg (ppm)	5	99	78-122
o-Xylene	mg/kg (ppm)	2.5	98	77-124
Styrene	mg/kg (ppm)	2.5	99	74-126
Isopropylbenzene	mg/kg (ppm)	2.5	97	76-127
Bromoform	mg/kg (ppm)	2.5	125	56-132
n-Propylbenzene	mg/kg (ppm)	2.5	99	74-124
Bromobenzene	mg/kg (ppm)	2.5	103	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	101	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	102	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	104	61-137
2-Chlorotoluene	mg/kg (ppm)	2.5	97	74-121
4-Chlorotoluene	mg/kg (ppm)	2.5	98	75-122
tert-Butylbenzene	mg/kg (ppm)	2.5	101	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	98	76-125
sec-Butylbenzene	mg/kg (ppm)	2.5	100	71-130
p-Isopropyltoluene	mg/kg (ppm)	2.5	99	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	99	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	97	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	99	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	132	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	95	64-135
Hexachlorobutadiene	mg/kg (ppm)	2.5	102	50-153
Naphthalene	mg/kg (ppm)	2.5	97	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	97	63-138

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 510383-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<1	105	10-172
Chloromethane	ug/L (ppb)	50	<10	88	25-166
Vinyl chloride	ug/L (ppb)	50	21	92 b	36-166
Bromomethane	ug/L (ppb)	50	<1	106	47-169
Chloroethane	ug/L (ppb)	50	<1	104	46-160
Trichlorofluoromethane	ug/L (ppb)	50	<1	93	44-165
Acetone	ug/L (ppb)	250	<10	78	10-182
1,1-Dichloroethene	ug/L (ppb)	50	<1	86	60-136
Hexane	ug/L (ppb)	50	<1	90	52-150
Methylene chloride	ug/L (ppb)	50	<5	98	67-132
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	109	74-127
trans-1,2-Dichloroethene	ug/L (ppb)	50	1.4	89	72-129
1,1-Dichloroethane	ug/L (ppb)	50	<1	96	70-128
2,2-Dichloropropane	ug/L (ppb)	50	<1	147	36-154
cis-1,2-Dichloroethene	ug/L (ppb)	50	26	92 b	71-127
Chloroform	ug/L (ppb)	50	<1	91	65-132
2-Butanone (MEK)	ug/L (ppb)	250	<10	98	10-129
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	89	69-133
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	115	60-146
1,1-Dichloropropene	ug/L (ppb)	50	<1	90	69-133
Carbon tetrachloride	ug/L (ppb)	50	<1	120	56-152
Benzene	ug/L (ppb)	50	<0.35	90	76-125
Trichloroethene	ug/L (ppb)	50	<1	88	66-135
1,2-Dichloropropane	ug/L (ppb)	50	<1	100	78-125
Bromodichloromethane	ug/L (ppb)	50	<1	98	61-150
Dibromomethane	ug/L (ppb)	50	<1	89	66-141
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	100	10-185
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	118	72-132
Toluene	ug/L (ppb)	50	<1	94	76-122
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	124	76-130
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	98	68-131
2-Hexanone	ug/L (ppb)	250	<10	110	10-185
1,3-Dichloropropane	ug/L (ppb)	50	<1	100	71-128
Tetrachloroethene	ug/L (ppb)	50	<1	95	10-226
Dibromochloromethane	ug/L (ppb)	50	<1	116	70-139
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	116	69-134
Chlorobenzene	ug/L (ppb)	50	<1	96	77-122
Ethylbenzene	ug/L (ppb)	50	<1	95	69-135
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	124	73-137
m,p-Xylene	ug/L (ppb)	100	<2	96	69-135
o-Xylene	ug/L (ppb)	50	<1	97	60-140
Styrene	ug/L (ppb)	50	<1	96	71-133
Isopropylbenzene	ug/L (ppb)	50	<1	95	65-142
Bromoform	ug/L (ppb)	50	<1	122	65-142
n-Propylbenzene	ug/L (ppb)	50	<1	97	58-144
Bromobenzene	ug/L (ppb)	50	<1	101	75-124
1,3,5-Trimethylbenzene	ug/L (ppb)	50	<1	99	66-137
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	101	51-154
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	102	53-150
2-Chlorotoluene	ug/L (ppb)	50	<1	96	66-127
4-Chlorotoluene	ug/L (ppb)	50	<1	96	65-130
tert-Butylbenzene	ug/L (ppb)	50	<1	100	65-137
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<1	96	59-146
sec-Butylbenzene	ug/L (ppb)	50	<1	97	64-140
p-Isopropyltoluene	ug/L (ppb)	50	<1	96	65-141
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	95	72-123
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	94	69-126
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	95	69-128
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	122	32-164
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	92	66-136
Hexachlorobutadiene	ug/L (ppb)	50	<1	95	60-143
Naphthalene	ug/L (ppb)	50	<1	96	44-164
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	95	69-148

Date of Report: 10/30/15
Date Received: 10/26/15
Project: 65112.0, F&BI 510383

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	95	90	25-158	5
Chloromethane	ug/L (ppb)	50	84	78	45-156	7
Vinyl chloride	ug/L (ppb)	50	88	84	50-154	5
Bromomethane	ug/L (ppb)	50	105	102	55-143	3
Chloroethane	ug/L (ppb)	50	99	97	58-146	2
Trichlorofluoromethane	ug/L (ppb)	250	90	85	50-150	6
Acetone	ug/L (ppb)	250	83	84	53-131	1
1,1-Dichloroethene	ug/L (ppb)	50	85	81	67-136	5
Hexane	ug/L (ppb)	50	86	82	57-137	5
Methylene chloride	ug/L (ppb)	50	95	88	39-148	8
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	106	102	64-147	4
trans-1,2-Dichloroethene	ug/L (ppb)	50	86	83	68-128	4
1,1-Dichloroethane	ug/L (ppb)	50	93	89	79-121	4
2,2-Dichloropropane	ug/L (ppb)	50	158 vo	152 vo	55-143	4
cis-1,2-Dichloroethene	ug/L (ppb)	50	88	85	80-123	3
Chloroform	ug/L (ppb)	50	88	85	80-121	3
2-Butanone (MEK)	ug/L (ppb)	250	98	92	57-149	6
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	85	82	73-132	4
1,1,1-Trichloroethane	ug/L (ppb)	50	112	108	83-130	4
1,1-Dichloropropene	ug/L (ppb)	50	87	84	77-129	4
Carbon tetrachloride	ug/L (ppb)	50	119	114	75-158	4
Benzene	ug/L (ppb)	50	87	83	69-134	5
Trichloroethene	ug/L (ppb)	50	86	83	80-120	4
1,2-Dichloropropane	ug/L (ppb)	50	97	93	77-123	4
Bromodichloromethane	ug/L (ppb)	50	94	92	81-133	2
Dibromomethane	ug/L (ppb)	50	85	82	82-125	4
4-Methyl-2-pentanone	ug/L (ppb)	250	98	95	65-138	3
cis-1,3-Dichloropropene	ug/L (ppb)	50	114	111	82-132	3
Toluene	ug/L (ppb)	50	91	87	72-122	4
trans-1,3-Dichloropropene	ug/L (ppb)	50	122	119	80-136	2
1,1,2-Trichloroethane	ug/L (ppb)	50	95	91	75-124	4
2-Hexanone	ug/L (ppb)	250	104	100	60-136	4
1,3-Dichloropropane	ug/L (ppb)	50	96	92	76-126	4
Tetrachloroethene	ug/L (ppb)	50	93	88	76-121	6
Dibromochloromethane	ug/L (ppb)	50	112	109	84-133	3
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	112	108	82-125	4
Chlorobenzene	ug/L (ppb)	50	92	89	83-114	3
Ethylbenzene	ug/L (ppb)	50	92	88	77-124	4
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	120	117	84-127	3
m,p-Xylene	ug/L (ppb)	100	93	90	83-125	3
o-Xylene	ug/L (ppb)	50	93	91	81-121	2
Styrene	ug/L (ppb)	50	93	90	84-119	3
Isopropylbenzene	ug/L (ppb)	50	93	89	85-117	4
Bromoform	ug/L (ppb)	50	119	116	74-136	3
n-Propylbenzene	ug/L (ppb)	50	95	91	74-126	4
Bromobenzene	ug/L (ppb)	50	97	93	80-121	4
1,3,5-Trimethylbenzene	ug/L (ppb)	50	97	93	78-123	4
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	98	94	66-126	4
1,2,3-Trichloropropane	ug/L (ppb)	50	101	95	67-124	6
2-Chlorotoluene	ug/L (ppb)	50	93	90	77-127	3
4-Chlorotoluene	ug/L (ppb)	50	92	89	78-128	3
tert-Butylbenzene	ug/L (ppb)	50	98	94	80-123	4
1,2,4-Trimethylbenzene	ug/L (ppb)	50	94	90	79-122	4
sec-Butylbenzene	ug/L (ppb)	50	96	91	80-125	5
p-Isopropyltoluene	ug/L (ppb)	50	95	91	81-123	4
1,3-Dichlorobenzene	ug/L (ppb)	50	93	89	85-116	4
1,4-Dichlorobenzene	ug/L (ppb)	50	91	88	84-121	3
1,2-Dichlorobenzene	ug/L (ppb)	50	93	89	85-116	4
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	119	115	57-141	3
1,2,4-Trichlorobenzene	ug/L (ppb)	50	91	88	72-130	3
Hexachlorobutadiene	ug/L (ppb)	50	97	93	53-141	4
Naphthalene	ug/L (ppb)	50	94	91	64-133	3
1,2,3-Trichlorobenzene	ug/L (ppb)	50	93	90	65-136	3

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.

510383

SAMPLE CHAIN OF CUSTODY

ME 10-26-15 V3/ET2/AR3

Page # 1 of 3

Send Report To Eric Kolks / Monica Moggs

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)*

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ Standard ~~(2 Weeks)~~ 5 day
☐ 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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS								Notes
B-17:6	01A-E		0815	Soil	5	X			X										
B-17:10	02		0820	Soil	1														
B-17	03A-E		0830	water	5	X			X										
B-18:5	04T		0855	Soil	5	X			X										
B-18:10	05		0900	Soil	1														
B-18	06A-E		0910	water	5	X			X										
B-15:5	07T		0940	Soil	5	X			X										
B-15:10	08		0945	Soil	1														
B-15	09A-E		0955	water	5	X			X										Samples received at 5 °C
B-13:5	10T		1005	Soil	5	X			X										

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Moggs	EPI	10/23/15	1415
Received by:	Michael Erdahl	FEBinc	10/26/15	0751
Relinquished by:				
Received by:				

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

510383

SAMPLE CHAIN OF CUSTODY

ME 10-28-15 V3/C12/A03

Page # 2 of 3

Send Report To Eric Kolles / M. Mogg

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)*

PROJECT NAME/NO. 65112-0

PO#

REMARKS

TURNAROUND TIME
☒ Standard (~~2 Weeks~~ 5 Dy)
☐ 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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
						ANALYSES REQUESTED												
B-13:8	11	10/23/15	1010	Soil	1				X									HOLD
B-13	12A F		1020	water	5	X			X									
B-12:5	13 T		1035	Soil	5	X			X									
B-12:8	14		1040	Soil	1													
B-12	15A F		1050	water	5	X			X									
B-16:5	16 T		1105	Soil	5	X			X									
B-16:10	17		1110	Soil	1													
B-16	18A F		1120	water	5	X			X									
B-11:5	19 T		1140	Soil	5	X			X									Samples received at 5 °C
B-11:10	20	↓	1145	Soil	5													

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:	Monica Mogg	ERI	10/23/15	1145
Received by:	Michael Erdahl	FB	10/26/15	0751
Relinquished by:				
Received by:				

510383

SAMPLE CHAIN OF CUSTODY

ME 10-26-15 V3/E12/B403

Page # 3 of

Send Report To Eric Kolles / Monica Moggs

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)

PROJECT NAME/NO. 6511 2.0

PO#

REMARKS

TURNAROUND TIME
☐ Standard (~~2 Weeks~~) 5 days
☐ 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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
						ANALYSES REQUESTED												
B-11	21A-E	10/23/15	1155	water	5	X			X									
B-5:5	22A-D	↓	1210	Soil	4				X									
B-5:10	23		1215	Soil	4													
B-5	24		1220	water	4				X									
B-6:5	25		1230	Soil	4				X									
B-6:10	26		1235	Soil	4													
B-6	27	↓	1245	water	4				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:	Monica Moggs	EPI	10/23/15	1415
Received by:	Michael Erdell	FEBruce	10/26/15	0751
Relinquished by:				
Received by:				

FORMS\COC\COC.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
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November 11, 2015

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

RE: 65112.0, F&BI 511066

Dear Mr. Koltes:

Included are the results from the testing of material submitted on November 6, 2015 from the 65112.0, F&BI 511066 project. There are 31 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, Monica Mogg
EPI1111R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 6, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 511066 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
511066 -01	B-14:5
511066 -02	B-14:10
511066 -03	B-14
511066 -04	B-21:5
511066 -05	B-21:10
511066 -06	B-21
511066 -07	B-22:5
511066 -08	B-22:10
511066 -09	B-22
511066 -10	B-23:5
511066 -11	B-23:10
511066 -12	B-23
511066 -13	B-7:5
511066 -14	B-7:12
511066 -15	B-7
511066 -16	B-9:5
511066 -17	B-9:10
511066 -18	B-9
511066 -19	B-19:5
511066 -20	B-19:10
511066 -21	B-19
511066 -22	B-20:5
511066 -23	B-20:10
511066 -24	B-20
511066 -25	B-3:5
511066 -26	B-3:8
511066 -27	B-3
511066 -28	B-4:6
511066 -29	B-4:10
511066 -30	B-4
511066 -31	B-2:5
511066 -32	B-2:10
511066 -33	B-2

CASE NARRATIVE (Continued)

The 8260C hexachlorobutadiene matrix spike sample exceeded the acceptance criteria. The laboratory control sample met the acceptance criteria, therefore the results were likely due to matrix effect.

All other quality control requirements were acceptable.

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

Sample ID Laboratory ID	Gasoline	Diesel	Heavy Oil	Surrogate (% Recovery) (Limit 53-144)
B-3:5 511066-25	ND	ND	ND	97
B-4:6 511066-28	ND	ND	ND	92
B-2:5 511066-31	ND	ND	ND	94
Method Blank 05-2276 MB	ND	ND	ND	96

ND - Material not detected at or above 20 mg/kg gas, 50 mg/kg diesel and 250 mg/kg heavy oil.

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR GASOLINE, DIESEL AND HEAVY OIL BY NWTPH-HCID
Results Reported as Not Detected (ND) or Detected (D)

THE DATA PROVIDED BELOW WAS PERFORMED PER THE GUIDELINES ESTABLISHED BY THE WASHINGTON DEPARTMENT OF ECOLOGY AND WERE NOT DESIGNED TO PROVIDE INFORMATION WITH REGARDS TO THE ACTUAL IDENTIFICATION OF ANY MATERIAL PRESENT

Sample ID Laboratory ID	Gasoline	Diesel	Heavy Oil	Surrogate (% Recovery) (Limit 56-165)
B-3 511066-27 1/1.7	ND	ND	ND	80
B-4 511066-30	ND	ND	ND	81
B-2 511066-33	ND	ND	ND	85
Method Blank 05-2277 MB	ND	ND	ND	79

ND - Material not detected at or above 0.2 mg/L gas, 0.5 mg/L diesel and 0.5 mg/L heavy oil.

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

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)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 50-132)
B-7:12 511066-14	<0.02	<0.02	<0.02	<0.06	<2	92
B-9:5 511066-16	<0.02	<0.02	<0.02	<0.06	<2	93
Method Blank 05-2257 MB	<0.02	<0.02	<0.02	<0.06	<2	95

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

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)

Sample ID Laboratory ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Gasoline Range	Surrogate (% Recovery) (Limit 52-124)
B-7 511066-15	<1	<1	<1	<3	<100	93
B-9 511066-18	<1	<1	<1	<3	<100	95
Method Blank 05-2221 MB	<1	<1	<1	<3	<100	94

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
B-14:5 511066-01	<50	<250	86
B-21:5 511066-04	<50	<250	86
B-22:5 511066-07	<50	<250	88
B-23:5 511066-10	<50	<250	86
B-19:5 511066-19	<50	<250	86
B-20:5 511066-22	<50	<250	77
Method Blank 05-2278 MB	<50	<250	85

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066
Date Extracted: 11/06/15
Date Analyzed: 11/06/15

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
B-14 511066-03	<50	<250	72
B-21 511066-06	170 x	<250	81
B-22 511066-09	<50	<250	82
B-23 511066-12	<50	<250	79
B-19 511066-21	<50	<250	82
B-20 511066-24	<50	<250	87
Method Blank 05-2277 MB	<50	<250	79

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-14:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-01
Date Analyzed:	11/06/15	Data File:	110619.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	102	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-19:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-19
Date Analyzed:	11/06/15	Data File:	110620.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-20:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-22
Date Analyzed:	11/06/15	Data File:	110621.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	62	142
Toluene-d8	102	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-3:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-25
Date Analyzed:	11/06/15	Data File:	110622.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	102	55	145
4-Bromofluorobenzene	102	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-4:6	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-28
Date Analyzed:	11/06/15	Data File:	110623.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-2:5	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-31
Date Analyzed:	11/06/15	Data File:	110624.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	05-2245 mb2
Date Analyzed:	11/06/15	Data File:	110606.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-14	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-03
Date Analyzed:	11/06/15	Data File:	110613.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	57	121
Toluene-d8	102	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	1.0	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-19	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-21
Date Analyzed:	11/06/15	Data File:	110614.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	102	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-20	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-24
Date Analyzed:	11/06/15	Data File:	110615.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	100	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-3	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-27
Date Analyzed:	11/06/15	Data File:	110616.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	101	63	127
4-Bromofluorobenzene	99	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-4	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-30
Date Analyzed:	11/06/15	Data File:	110617.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	103	63	127
4-Bromofluorobenzene	102	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-2	Client:	Environmental Partners
Date Received:	11/06/15	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	511066-33
Date Analyzed:	11/06/15	Data File:	110618.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	57	121
Toluene-d8	101	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.0, F&BI 511066
Date Extracted:	11/06/15	Lab ID:	05-2246 mb
Date Analyzed:	11/06/15	Data File:	110605.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	101	63	127
4-Bromofluorobenzene	102	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

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: 511063-02 (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	97	66-121
Toluene	mg/kg (ppm)	0.5	96	72-128
Ethylbenzene	mg/kg (ppm)	0.5	98	69-132
Xylenes	mg/kg (ppm)	1.5	98	69-131
Gasoline	mg/kg (ppm)	20	100	61-153

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

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: 511064-02 (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	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	98	69-134

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511066-22 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	99	102	73-135	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	107	74-139

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	86	88	63-142	2

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 511046-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	29	30	10-142	3
Chloromethane	mg/kg (ppm)	2.5	<0.5	54	55	10-126	2
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	57	58	10-138	2
Bromomethane	mg/kg (ppm)	2.5	<0.5	72	74	10-163	3
Chloroethane	mg/kg (ppm)	2.5	<0.5	73	74	10-176	1
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	67	68	10-176	1
Acetone	mg/kg (ppm)	12.5	<0.5	85	86	10-163	1
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	72	72	10-160	0
Hexane	mg/kg (ppm)	2.5	<0.25	67	68	10-137	1
Methylene chloride	mg/kg (ppm)	2.5	<0.5	85	89	10-156	5
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	87	88	21-145	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	81	82	14-137	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	83	84	19-140	1
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	82	82	10-158	0
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	85	87	25-135	2
Chloroform	mg/kg (ppm)	2.5	<0.05	85	88	21-145	3
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	85	83	19-147	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	80	82	12-160	2
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	85	87	10-156	2
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	82	83	17-140	1
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	88	89	9-164	1
Benzene	mg/kg (ppm)	2.5	<0.03	82	82	29-129	0
Trichloroethene	mg/kg (ppm)	2.5	<0.02	81	83	21-139	2
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	86	86	30-135	0
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	85	86	23-155	1
Dibromomethane	mg/kg (ppm)	2.5	<0.05	89	89	23-145	0
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	88	87	24-155	1
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	89	89	28-144	0
Toluene	mg/kg (ppm)	2.5	<0.05	82	83	35-130	1
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	87	88	26-149	1
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	84	84	10-205	0
2-Hexanone	mg/kg (ppm)	12.5	<0.5	85	83	15-166	2
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	84	85	31-137	1
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	77	78	20-133	1
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	84	86	28-150	2
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	82	83	28-142	1
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	83	83	32-129	0
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	83	84	32-137	1
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	86	89	31-143	3
m,p-Xylene	mg/kg (ppm)	5	<0.1	83	85	34-136	2
o-Xylene	mg/kg (ppm)	2.5	<0.05	85	86	33-134	1
Styrene	mg/kg (ppm)	2.5	<0.05	84	86	35-137	2
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	84	86	31-142	2
Bromoform	mg/kg (ppm)	2.5	<0.05	89	90	21-156	1
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	83	84	23-146	1
Bromobenzene	mg/kg (ppm)	2.5	<0.05	85	85	34-130	0
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	83	84	18-149	1
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	84	85	28-140	1
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	83	83	25-144	0
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	81	83	31-134	2
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	83	83	31-136	0
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	86	87	30-137	1
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	83	83	10-182	0
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	85	86	23-145	1
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	84	84	21-149	0
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	81	82	30-131	1
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	80	80	29-129	0
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	82	83	31-132	1
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	88	90	11-161	2
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	82	84	22-142	2
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	91	93	10-142	2
Naphthalene	mg/kg (ppm)	2.5	<0.05	83	84	14-157	1
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	80	82	20-144	2

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	41	10-146
Chloromethane	mg/kg (ppm)	2.5	61	27-133
Vinyl chloride	mg/kg (ppm)	2.5	68	22-139
Bromomethane	mg/kg (ppm)	2.5	82	38-114
Chloroethane	mg/kg (ppm)	2.5	76	10-163
Trichlorofluoromethane	mg/kg (ppm)	2.5	34	10-196
Acetone	mg/kg (ppm)	12.5	89	52-141
1,1-Dichloroethene	mg/kg (ppm)	2.5	83	47-128
Hexane	mg/kg (ppm)	2.5	85	43-142
Methylene chloride	mg/kg (ppm)	2.5	95	42-132
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	90	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	89	67-127
1,1-Dichloroethane	mg/kg (ppm)	2.5	88	68-115
2,2-Dichloropropane	mg/kg (ppm)	2.5	85	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	90	72-113
Chloroform	mg/kg (ppm)	2.5	91	66-120
2-Butanone (MEK)	mg/kg (ppm)	12.5	94	57-123
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	86	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	96	62-131
1,1-Dichloropropene	mg/kg (ppm)	2.5	92	69-128
Carbon tetrachloride	mg/kg (ppm)	2.5	102	60-139
Benzene	mg/kg (ppm)	2.5	90	68-114
Trichloroethene	mg/kg (ppm)	2.5	90	64-117
1,2-Dichloropropane	mg/kg (ppm)	2.5	94	72-127
Bromodichloromethane	mg/kg (ppm)	2.5	95	72-130
Dibromomethane	mg/kg (ppm)	2.5	98	70-120
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	99	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	102	75-136
Toluene	mg/kg (ppm)	2.5	91	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	105	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	93	75-113
2-Hexanone	mg/kg (ppm)	12.5	95	33-152
1,3-Dichloropropane	mg/kg (ppm)	2.5	95	72-130
Tetrachloroethene	mg/kg (ppm)	2.5	89	72-114
Dibromochloromethane	mg/kg (ppm)	2.5	99	74-125
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	95	74-132
Chlorobenzene	mg/kg (ppm)	2.5	91	76-111
Ethylbenzene	mg/kg (ppm)	2.5	92	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	99	69-135
m,p-Xylene	mg/kg (ppm)	5	94	78-122
o-Xylene	mg/kg (ppm)	2.5	93	77-124
Styrene	mg/kg (ppm)	2.5	94	74-126
Isopropylbenzene	mg/kg (ppm)	2.5	93	76-127
Bromoform	mg/kg (ppm)	2.5	109	56-132
n-Propylbenzene	mg/kg (ppm)	2.5	95	74-124
Bromobenzene	mg/kg (ppm)	2.5	97	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	95	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	95	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	93	61-137
2-Chlorotoluene	mg/kg (ppm)	2.5	93	74-121
4-Chlorotoluene	mg/kg (ppm)	2.5	95	75-122
tert-Butylbenzene	mg/kg (ppm)	2.5	97	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	95	76-125
sec-Butylbenzene	mg/kg (ppm)	2.5	96	71-130
p-Isopropyltoluene	mg/kg (ppm)	2.5	96	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	92	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	92	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	93	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	105	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	94	64-135
Hexachlorobutadiene	mg/kg (ppm)	2.5	93	50-153
Naphthalene	mg/kg (ppm)	2.5	92	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	91	63-138

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 511063-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<1	108	10-172
Chloromethane	ug/L (ppb)	50	<10	98	25-166
Vinyl chloride	ug/L (ppb)	50	<0.2	97	36-166
Bromomethane	ug/L (ppb)	50	<1	122	47-169
Chloroethane	ug/L (ppb)	50	<1	117	46-160
Trichlorofluoromethane	ug/L (ppb)	50	<1	102	44-165
Acetone	ug/L (ppb)	250	<10	83	10-182
1,1-Dichloroethene	ug/L (ppb)	50	<1	96	60-136
Hexane	ug/L (ppb)	50	3.0	77	52-150
Methylene chloride	ug/L (ppb)	50	<5	102	67-132
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	99	74-127
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	98	72-129
1,1-Dichloroethane	ug/L (ppb)	50	<1	99	70-128
2,2-Dichloropropane	ug/L (ppb)	50	<1	93	36-154
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	98	71-127
Chloroform	ug/L (ppb)	50	<1	99	65-132
2-Butanone (MEK)	ug/L (ppb)	250	<10	92	10-129
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	92	69-133
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	99	60-146
1,1-Dichloropropene	ug/L (ppb)	50	<1	97	69-133
Carbon tetrachloride	ug/L (ppb)	50	<1	103	56-152
Benzene	ug/L (ppb)	50	5.2	94	76-125
Trichloroethene	ug/L (ppb)	50	<1	95	66-135
1,2-Dichloropropane	ug/L (ppb)	50	<1	97	78-125
Bromodichloromethane	ug/L (ppb)	50	<1	96	61-150
Dibromomethane	ug/L (ppb)	50	<1	101	66-141
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	98	10-185
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	101	72-132
Toluene	ug/L (ppb)	50	26	94 b	76-122
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	101	76-130
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	94	68-131
2-Hexanone	ug/L (ppb)	250	<10	92	10-185
1,3-Dichloropropane	ug/L (ppb)	50	<1	95	71-128
Tetrachloroethene	ug/L (ppb)	50	<1	84	10-226
Dibromochloromethane	ug/L (ppb)	50	<1	96	70-139
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	94	69-134
Chlorobenzene	ug/L (ppb)	50	<1	91	77-122
Ethylbenzene	ug/L (ppb)	50	7.6	89	69-135
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	99	73-137
m,p-Xylene	ug/L (ppb)	100	67	87 b	69-135
o-Xylene	ug/L (ppb)	50	48	88 b	60-140
Styrene	ug/L (ppb)	50	<1	94	71-133
Isopropylbenzene	ug/L (ppb)	50	<1	86	65-142
Bromoform	ug/L (ppb)	50	<1	98	65-142
n-Propylbenzene	ug/L (ppb)	50	2.6	82	58-144
Bromobenzene	ug/L (ppb)	50	<1	92	75-124
1,3,5-Trimethylbenzene	ug/L (ppb)	50	16	83 b	66-137
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	94	51-154
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	92	53-150
2-Chlorotoluene	ug/L (ppb)	50	<1	96	66-127
4-Chlorotoluene	ug/L (ppb)	50	<1	90	65-130
tert-Butylbenzene	ug/L (ppb)	50	<1	82	65-137
1,2,4-Trimethylbenzene	ug/L (ppb)	50	42	81 b	59-146
sec-Butylbenzene	ug/L (ppb)	50	<1	75	64-140
p-Isopropyltoluene	ug/L (ppb)	50	<1	75	65-141
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	84	72-123
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	83	69-126
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	87	69-128
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	100	32-164
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	77	66-136
Hexachlorobutadiene	ug/L (ppb)	50	<1	52 vo	60-143
Naphthalene	ug/L (ppb)	50	9.0	89	44-164
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	78	69-148

Date of Report: 11/11/15
Date Received: 11/06/15
Project: 65112.0, F&BI 511066

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	100	104	25-158	4
Chloromethane	ug/L (ppb)	50	91	89	45-156	2
Vinyl chloride	ug/L (ppb)	50	92	92	50-154	0
Bromomethane	ug/L (ppb)	50	116	115	55-143	1
Chloroethane	ug/L (ppb)	50	109	111	58-146	2
Trichlorofluoromethane	ug/L (ppb)	250	99	99	50-150	0
Acetone	ug/L (ppb)	250	89	92	53-131	3
1,1-Dichloroethene	ug/L (ppb)	50	92	94	67-136	2
Hexane	ug/L (ppb)	50	96	96	57-137	0
Methylene chloride	ug/L (ppb)	50	97	100	39-148	3
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	93	94	64-147	1
trans-1,2-Dichloroethene	ug/L (ppb)	50	93	94	68-128	1
1,1-Dichloroethane	ug/L (ppb)	50	92	94	79-121	2
2,2-Dichloropropane	ug/L (ppb)	50	92	94	55-143	2
cis-1,2-Dichloroethene	ug/L (ppb)	50	92	94	80-123	2
Chloroform	ug/L (ppb)	50	92	93	80-121	1
2-Butanone (MEK)	ug/L (ppb)	250	95	90	57-149	5
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	88	85	73-132	3
1,1,1-Trichloroethane	ug/L (ppb)	50	97	97	83-130	0
1,1-Dichloropropene	ug/L (ppb)	50	94	95	77-129	1
Carbon tetrachloride	ug/L (ppb)	50	105	105	75-158	0
Benzene	ug/L (ppb)	50	90	90	69-134	0
Trichloroethene	ug/L (ppb)	50	91	90	80-120	1
1,2-Dichloropropane	ug/L (ppb)	50	94	95	77-123	1
Bromodichloromethane	ug/L (ppb)	50	95	94	81-133	1
Dibromomethane	ug/L (ppb)	50	97	97	82-125	0
4-Methyl-2-pentanone	ug/L (ppb)	250	96	95	65-138	1
cis-1,3-Dichloropropene	ug/L (ppb)	50	100	100	82-132	0
Toluene	ug/L (ppb)	50	89	90	72-122	1
trans-1,3-Dichloropropene	ug/L (ppb)	50	101	101	80-136	0
1,1,2-Trichloroethane	ug/L (ppb)	50	90	91	75-124	1
2-Hexanone	ug/L (ppb)	250	90	88	60-136	2
1,3-Dichloropropane	ug/L (ppb)	50	92	91	76-126	1
Tetrachloroethene	ug/L (ppb)	50	85	86	76-121	1
Dibromochloromethane	ug/L (ppb)	50	95	96	84-133	1
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	92	91	82-125	1
Chlorobenzene	ug/L (ppb)	50	88	89	83-114	1
Ethylbenzene	ug/L (ppb)	50	90	90	77-124	0
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	95	99	84-127	4
m,p-Xylene	ug/L (ppb)	100	89	91	83-125	2
o-Xylene	ug/L (ppb)	50	89	91	81-121	2
Styrene	ug/L (ppb)	50	90	91	84-119	1
Isopropylbenzene	ug/L (ppb)	50	89	91	85-117	2
Bromoform	ug/L (ppb)	50	101	101	74-136	0
n-Propylbenzene	ug/L (ppb)	50	90	90	74-126	0
Bromobenzene	ug/L (ppb)	50	92	92	80-121	0
1,3,5-Trimethylbenzene	ug/L (ppb)	50	91	91	78-123	0
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	91	91	66-126	0
1,2,3-Trichloropropane	ug/L (ppb)	50	89	88	67-124	1
2-Chlorotoluene	ug/L (ppb)	50	88	88	77-127	0
4-Chlorotoluene	ug/L (ppb)	50	90	90	78-128	0
tert-Butylbenzene	ug/L (ppb)	50	93	94	80-123	1
1,2,4-Trimethylbenzene	ug/L (ppb)	50	89	90	79-122	1
sec-Butylbenzene	ug/L (ppb)	50	92	92	80-125	0
p-Isopropyltoluene	ug/L (ppb)	50	90	90	81-123	0
1,3-Dichlorobenzene	ug/L (ppb)	50	87	88	85-116	1
1,4-Dichlorobenzene	ug/L (ppb)	50	86	87	84-121	1
1,2-Dichlorobenzene	ug/L (ppb)	50	88	88	85-116	0
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	99	98	57-141	1
1,2,4-Trichlorobenzene	ug/L (ppb)	50	90	90	72-130	0
Hexachlorobutadiene	ug/L (ppb)	50	87	87	53-141	0
Naphthalene	ug/L (ppb)	50	90	90	64-133	0
1,2,3-Trichlorobenzene	ug/L (ppb)	50	88	89	65-136	1

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.

511066

SAMPLE CHAIN OF CUSTODY

ME 11-06-15 V3/C3/VS2/BOS

Page # 1 of 4

Send Report To Eric Kolles/Monica Mogg

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)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ Standard (~~2 Weeks~~) 5 day
☐ 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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	Notes
B-14:5	01A-E	11/5/15	1500	Soil	5	X			X			
B-14:10	02		1505	Soil	5							
B-14	03		1520	water	5	X			X			
B-21:5	04		1605	soil	1	X						
B-21:10	05		1610	soil	1							
B-21	06		1625	water	1	X						
B-22:5	07		1650	Soil	1	X						
B-22:10	08		1655	Soil	1							
B-22	09		1700	water	1	X						Samples received at 4 °C
B-23:5	10		1720	Soil	1	X						

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mogg	EPI	11/6/15	0759
Received by:	Michael Endahl	FGBrn	11/6/15	↓
Relinquished by:				
Received by:				

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

FORMS\COC\COC.DOC

511066

SAMPLE CHAIN OF CUSTODY

ME 11-06-15 V3/C73 2/VB2 2/4 B05

Page # 1 of 1

Send Report To Eric Kolles / M. Moggs

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)*

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ ~~Standard (2 Weeks)~~ 5 day
☐ 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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-23:10	11	11/5/15	0725	soil	1													
B-23	12	11/5/15	0735	water	1	X												
B-7:5	13A-E	11/5/15	1755	soil	5													
B-7:12	14 T	11/5/15	1800	soil	5		[redacted]	X										6x + BTEX
B-7	15A-C	11/5/15	1810	water	3	[redacted] NO Dx	X	X										
B-9:5	16A-E		1830	soil	5		X	X										
B-9:10	17T		1835	soil	5													
B-9	18A-C		1840	water	3		X	X										
B-19:5	19A-E		1925	soil	5	X			X									Samples received at 4 °C
B-19:10	20 T	↓	1930	soil	5													

ANALYSES REQUESTED

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:	Monica Moggs	EPI	11/6/15	0759
Received by:	Michael Erdahl	FB Inc	↓	↓
Relinquished by:				
Received by:				

511066

SAMPLE CHAIN OF CUSTODY

ME 11-06-15 V3/C13/VC2/B05

Page # 3 of 4

Send Report To E.Kolkes / M.Mogg

Company EPI

Address

City, State, ZIP Issaquah WA

Phone # 425-395-0027 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 651120

PO#

REMARKS

TURNAROUND TIME
☒ ~~Standard (2 Weeks)~~ 5 days
☐ 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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	HCID						Notes
B-19	21A-E	11/6/15	1940	water	5	X			X									
B-20:5	22		1955	soil	5	X			X									
B-20:10	23		2000	soil	5													
B-20	24		2010	water	5	X			X									
B-3:5	25		2110	soil	5				X			X						
B-3:8	26		2120	soil	5													
B-3	27A-F		2130	water	6				X			X						
B-4:6	28A-E		2150	soil	5				X			X						
B-4:10	29		2155	soil	5													Samples received at 4 °C
B-4	30	✓	2200	water	5				X			X						

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mogg	EPI	11/6/15	0759
Received by:	Michael Eckhl	FG Bruya	↓	↓
Relinquished by:				
Received by:				

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

511066

SAMPLE CHAIN OF CUSTODY

ME 11-06-15 V3/C3/V2/B05

Page # 4 of 4

Send Report To E.Koltes / M.Mogg

Company EBI

Address

City, State, ZIP Issaquah WA

Phone # Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
☒ Standard (~~2 Weeks~~) 5 day
☐ 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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS	HCID						Notes
B-2:5	31	11/5/15	2250	Soil	5				X			X						
B-2:10	32	↓	2255	Soil	5													
B-2	33	↓	2300	water	5				X			X						
																		Samples received at ____°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:	Monica Mogg	EBI	11/6/15	0739
Received by:	Mochia / E-Gh1	FEDEX	↓	↓
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

November 24, 2015

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

RE: 65112.0, F&BI 511292

Dear Mr. Koltes:

Included are the results from the testing of material submitted on November 20, 2015 from the 65112.0, F&BI 511292 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, Monica Mogg
EPI1124R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 20, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 511292 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
511292 -01	B-24:2
511292 -02	B-24:4
511292 -03	B-24:6
511292 -04	B-24:8
511292 -05	B-24:10
511292 -06	B-24:15
511292 -07	B-25:2
511292 -08	B-25:4
511292 -09	B-25:6
511292 -10	B-25:8
511292 -11	B-25:10
511292 -12	B-26:2
511292 -13	B-26:4
511292 -14	B-26:6
511292 -15	B-26:8
511292 -16	B-26:10
511292 -17	B-26:15
511292 -18	B-27:2
511292 -19	B-27:4
511292 -20	B-27:6
511292 -21	B-27:8
511292 -22	B-27:10
511292 -23	B-27:15
511292 -24	B-28:2
511292 -25	B-28:4
511292 -26	B-28:6
511292 -27	B-28:8
511292 -28	B-28:10
511292 -29	B-29:2
511292 -30	B-29:4
511292 -31	B-29:6
511292 -32	B-29:8
511292 -33	B-29:10
511292 -34	B-30:2
511292 -35	B-30:4
511292 -36	B-30:6

CASE NARRATIVE (continued)

Laboratory ID	Environmental Partners
511292 -37	B-30:8
511292 -38	B-30:10
511292 -39	B-31:2
511292 -40	B-31:4
511292 -41	B-31:6
511292 -42	B-31:8
511292 -43	B-31:10
511292 -44	B-32:2
511292 -45	B-32:4
511292 -46	B-32:6
511292 -47	B-32:8
511292 -48	B-32:10

All quality control requirements were acceptable.

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-24:2 511292-01	490 x	4,200	88
B-24:4 511292-02	330 x	4,800	92
B-24:6 511292-03	<50	<250	93
B-24:8 511292-04	<50	<250	95
B-24:10 511292-05	<50	<250	91
B-24:15 511292-06	<50	<250	105
B-25:2 511292-07	<50	<250	97
B-25:4 511292-08	<50	<250	89
B-25:6 511292-09	<50	<250	103
B-25:8 511292-10	<50	<250	99

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-25:10 511292-11	<50	<250	104
B-26:2 511292-12	270 x	4,300	90
B-26:4 511292-13	290 x	4,600	89
B-26:6 511292-14	<50	<250	89
B-26:8 511292-15	<50	<250	88
B-26:10 511292-16	<50	<250	89
B-26:15 511292-17	<50	<250	93
B-27:2 511292-18	<50	<250	96
B-27:4 511292-19	<50	<250	92
B-27:6 511292-20	<50	<250	90

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-27:8 511292-21	<50	<250	99
B-27:10 511292-22	<50	<250	94
B-27:15 511292-23	<50	<250	97
B-28:2 511292-24	200 x	2,600	93
B-28:4 511292-25	<50	<250	91
B-28:6 511292-26	<50	<250	98
B-28:8 511292-27	<50	<250	100
B-28:10 511292-28	<50	<250	101
B-29:2 511292-29	<50	<250	103
B-29:4 511292-30	<50	<250	95

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-29:6 511292-31	<50	<250	105
B-29:8 511292-32	<50	<250	91
B-29:10 511292-33	<50	<250	102
B-30:2 511292-34	<50	<250	91
B-30:4 511292-35	<50	<250	90
B-30:6 511292-36	<50	<250	97
B-30:8 511292-37	<50	<250	98
B-30:10 511292-38	<50	<250	103
B-31:2 511292-39	<50	<250	90
B-31:4 511292-40	<50	<250	88

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/22/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
B-31:6 511292-41	<50	<250	87
B-31:8 511292-42	<50	<250	98
B-31:10 511292-43	<50	<250	97
B-32:2 511292-44	85 x	2,200	96
B-32:4 511292-45	<50	<250	102
B-32:6 511292-46	<50	<250	89
B-32:8 511292-47	<50	<250	91
B-32:10 511292-48	<50	<250	89
Method Blank 05-2379 MB	<50	<250	104
Method Blank 05-2382 MB	<50	<250	73
Method Blank 05-2383 MB	<50	<250	90

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511274-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	109	110	64-133	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	111	58-147

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511292-25 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	102	99	64-133	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	104	58-147

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511292

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511282-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	86	90	63-146	5

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	93	79-144

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.

511292 ME 11/20/15 COC

SAMPLE CHAIN OF CUSTODY

Send Report To Eric Foltz / M. Mozz
Company EPI
Address 1180 NW Maple St, Ste 310
City, State, ZIP Issaquah, WA
Phone # 425-395-0010 Fax #

SAMPLERS (signature)
PROJECT NAME/NO. 65112-0
PO#
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	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS						Notes
B-24:2	01	11/20/15	0900	Soil	1	X											
B-24:4	02		0902		1	X											
B-24:6	03		0904		1	X											
B-24:8	04		0904		1	X											
B-24:10	05		0906		1	X											
B-24:15	06		0915		1	X											
B-25:2	07		0940		1	X											
B-25:4	08		0942		1	X											
B-25:6	09		0948		1	X											
B-25:8	10		0950		1	X											Samples received at 3 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mozz	EPI	11/20/15	1212
Received by:	Matt Langston	FBI	11/20/15	1212
Relinquished by:				
Received by:				

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

5/1293

SAMPLE CHAIN OF CUSTODY

ME 11/20/15 COC

Page # 2 of 3

Send Report To Eric Foltes / M. Monge

Company EFI

Address 1180 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-25:10	11	11/20/15	0952	Soil	1	X												
B-26:2	12		1005		1	X												
B-26:4	13		1007		1	X												
B-26:6	14		1011		1	X												
B-26:8	15		1013		1	X												
B-26:10	16		1015		1	X												
B-26:15	17		1019		1	X												
B-27:2	18		1030		1	X												
B-27:4	19		1032		1	X												
B-27:6	20	↓	1036	↓	1	X												Samples received at 3 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Monge	EFI	11/20/15	1212
Received by:	Matt Longtin	EFI	11/20/15	1212
Relinquished by:				
Received by:				

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

5T1293

SAMPLE CHAIN OF CUSTODY

ME 11/20/15 CO

Page # 3 of 3

Send Report To Eric Koltes / M-Mogg

Company EPI

Address 11180 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS						Notes
B-27:8	21	11/20/15	1038	Soil	1	X											
B-27:10	22		1040		1	X											
B-27:15	23		1044		1	X											
B-28:2	24		1055		1	X											
B-28:4	25		1057		1	X											
B-28:6	26		1059		1	X											
B-28:8	27		1101		1	X											
B-28 10	28		1103		1	X											
B-29:2	29		1112		1	X											
B-29:4	30		1114		1	X											

Samples received at 3 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mogg	EPI	11/20/15	1212
Received by:	Matt Langston	EPI	11/20/15	1212
Relinquished by:				
Received by:				

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

5/1293

SAMPLE CHAIN OF CUSTODY

MAE 11/20/15 COC

Page # 4 of 5

Send Report To Eric Kolte's / M. Mayer

Company EPI

Address 1100 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 651120

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24hr

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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS						Notes
B-29:6	31	11/20/15	1118	Soil	1	X											
B-29:8	32		1120		1	X											
B-29:10	33		1122		1	X											
B-30:2	34		1132		1	X											
B-30:4	35		1134		1	X											
B-30:6	36		1137		1	X											
B-30:8	37		1139		1	X											
B-30:10	38		1141		1	X											
B-31:2	39		1156		1	X											
B-31:4	40		1158		1	X											Samples received at 3 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mayer	EPI	11/20/15	1212
Received by:	Matt Longsdorf	FBI	11/20/15	12:12
Relinquished by:				
Received by:				

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

511293

SAMPLE CHAIN OF CUSTODY

ME 11/20/15 CO4

Page # 5 of 5

Send Report To Eric Kolles / M. Mogg

Company EPI

Address 1100 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24hr

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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-31:6	41	11/20/15	1200	Soil	1	X												
B-31:8	42		1202		1	X												
B-31:10	43		1204		1	X												
B-32:2	44		1209		1	X												
B-32:4	45		1211		1	X												
B-32:6	46		1212		1	X												
B-32:8	47		1213		1	X												
B-32:10	48		1214		1	X												
~~B-32:15~~					1	X												
					1	X												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mogg	EPI	11/20/15	1212
Received by:	Matt Langton	FEDEX	11/20/15	1212
Relinquished by:				
Received by:				

Samples received at 3 °C

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

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

November 24, 2015

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

RE: 65112.0, F&BI 511298

Dear Mr. Koltes:

Included are the results from the testing of material submitted on November 20, 2015 from the 65112.0, F&BI 511298 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, Monica Mogg
EPI1124R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on November 20, 2015 by Friedman & Bruya, Inc. from the Environmental Partners 65112.0, F&BI 511298 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
511298 -01	B-32:15
511298 -02	B-33:2
511298 -03	B-33:4
511298 -04	B-33:6
511298 -05	B-33:8
511298 -06	B-33:10
511298 -07	B-34:2
511298 -08	B-34:4
511298 -09	B-34:6
511298 -10	B-34:8
511298 -11	B-34:10
511298 -12	B-35:2
511298 -13	B-35:4
511298 -14	B-35:6
511298 -15	B-35:8
511298 -16	B-35:10

All quality control requirements were acceptable.

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511298
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/23/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
B-32:15 511298-01	<50	<250	86
B-33:2 511298-02	<50	<250	80
B-33:4 511298-03	<50	<250	81
B-33:6 511298-04	<50	570	81
B-33:8 511298-05	<50	<250	84
B-33:10 511298-06	<50	<250	81
B-34:2 511298-07	180 x	2,600	76
B-34:4 511298-08	200 x	2,600	75
B-34:6 511298-09	<50	<250	81
B-34:8 511298-10	<50	<250	86
B-34:10 511298-11	<50	<250	82

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511298
Date Extracted: 11/20/15
Date Analyzed: 11/20/15 and 11/23/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
B-35:2 511298-12	<50	<250	83
B-35:4 511298-13	<50	<250	83
B-35:6 511298-14	<50	<250	83
B-35:8 511298-15	<50	<250	82
B-35:10 511298-16	<50	<250	83
Method Blank 05-2385 MB	<50	<250	92

Date of Report: 11/24/15
Date Received: 11/20/15
Project: 65112.0, F&BI 511298

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 511298-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	99	97	73-135	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	107	74-139

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.

511298

SAMPLE CHAIN OF CUSTODY

ME 11-20-15

605

Page # 1 of 2

Send Report To Eric Kolles

Company EPI

Address 1180 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-395-0010 Fax #

SAMPLERS *(signature)*

PROJECT NAME/NO. 651120

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24hr

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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-32:15	01	11/20/15	1220	So;l	1	X												
B-32:2	02		1230		1	X												
B-33:4	03		1231		1	X												
B-33:6	04		1233		1	X												
B-33:8	05		1234		1	X												
B-33:10	06		1235		1	X												
B-34:2	07		1240		1	X												
B-34:4	08		1241		1	X												
B-34:6	09		1243		1	X												
B-34:8	10		1244		1	X												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Monica Mayes	EPI	11/20/15	1430
Received by:	Matthew Parker	F&B	11/20/15	1431
Relinquished by:				
Received by:		Samples received at 5 °C		

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

511298

SAMPLE CHAIN OF CUSTODY

HE 11-20-15 COS

Page # 2 of 2

Send Report To Eric Kolte3 / M. Mayo

Company EPI

Address 1180 NW Maple St, Ste 310

City, State, ZIP Issaquah, WA

Phone # 425-295-0800 Fax #

SAMPLERS (signature)

PROJECT NAME/NO. 65112.0

PO#

REMARKS

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☒ RUSH 24hr
- 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: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by8260	SVOCs by 8270	HFS							Notes
B-34:10	11	11/20/15	1245	Soil	1	X												
B-35:2	12		1308		1	X												
B-35:4	13		1310		1	X												
B-35:6	14		1312		1	X												
B-35:8	15		1314		1	X												
B-35:10	16	↓	1315	↓	1	X												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Maura Mayo	EPI	11/20/15	1430
Received by:	Matthew Parker	F&B	11/20/15	1431
Relinquished by:			5	
Received by:		Samples received at		°C

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

FORMS\COC\COC.DOC

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
Northwest Regional Office • 3190 160th Ave SE • Bellevue, WA 98008-5452 • 425-649-7000
711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

October 18, 2016

MJR Development
Attn: Mike Raskin
6725 116th Ave NE
Suite 100
Kirkland, WA 98033

Re: Contained-in Determination for Contaminated Soils from the Former Meeker Cleaners Site in Kent, Washington

Reference:
1. Letter Report from E. Koltes and T. Seeds, Environmental Partners, Inc. to B. Maeng, Ecology dated September 29, 2016
2. Email from T. Seeds, Environmental Partners, Inc. to B. Maeng, Ecology on October 10, 2016

Dear Mr. Raskin:

The Washington State Department of Ecology (Ecology) received a contained-in determination request from your environmental consultant, Environmental Partners, Inc. for approximately 620 cubic yards of contaminated soils to be excavated during remedial activities at the former Meeker Cleaners site located at 1317 West Meeker Street in Kent, Washington (Reference 1).

Analytical data and supplemental information for 620 cubic yards of contaminated soils were submitted to Ecology to determine if these soils contaminated with listed dangerous waste constituents (F002) may be exempt from management as dangerous wastes per the "Contained-In Policy[1]" (References 1 and 2). Ecology understands that these contaminated soils do not designate under federal characteristics (WAC 173-303-090) or State-only criteria (WAC 173-303-100).

Based on the information received and reviewed, Ecology has determined that these soils are contaminated with F002 listed dangerous waste constituents at concentrations that do not warrant management as dangerous wastes, and Ecology will not require disposal of these soils as listed dangerous wastes at a RCRA permitted dangerous waste treatment, storage and disposal (TSD) facility, provided that all of the following conditions are implemented. This contained-in determination applies only to the contaminated soils, and does not pertain to contaminated water or any mixture of contaminated soils and drilling fluids.

[1] Washington State Department of Ecology Contained-in Policy, dated February19, 1993

You or your consultant, Environmental Partners, Inc. shall:

- Ensure that no standing water is present within each of the drums/containers holding the contaminated soils. All water must be removed to the maximum extent possible from each of the drums/containers and managed as F002 dangerous wastes or as otherwise allowed under Chapter 173-303 WAC;

- Directly deliver the soils to a solid waste landfill permitted under WAC 173-351 inside Washington State. If you plan to deliver the contaminated soils to a landfill outside Washington State, you must submit Ecology written approval for the contaminated soil disposal from the State hazardous waste program and the out of state landfill, before the soils are delivered to the out of state landfill;

- Do not consolidate these contaminated soils with other soils that do not pertain to this contained in determination;

- Dispose of the contaminated soils at the solid waste landfill by December 31, 2016. This contained-in determination letter is no longer valid after December 31, 2016, and the contaminated soils must be managed as dangerous wastes after this date;

- Notify Ecology before disposal of the soils if the amount exceeds the approved amount in this letter. Ecology needs to make sure that the additional soil qualifies for this contained-in determination;

- Provide copies of all signed solid waste landfill receipts and a summary table including disposal dates, tonnages, etc. or a certificate of disposal issued by the receiving landfill for these contaminated soils to Ecology, attention of Byung Maeng, within 15 days of your receipt. This is an important verification step for you and your consultant to follow in order for this Ecology decision to be valid;

- Take measures to prevent unauthorized contact with these soils at all times;

- During transport, take adequate measures to prevent spills and dispersion due to wind erosion;

- Provide instructions to the landfill operator that these soils are not to be used for daily, intermediate, or final cover;

- Provide copies of all soil analytical data to the landfill operator, upon request; and

- Do not send these contaminated soils to any incinerator, thermal desorption unit or recycling facility unless that facility is a RCRA Subtitle C permitted dangerous waste TSD facility.

Ecology issued this determination based on the information provided and reviewed to date. This written decision only applies to 620 cubic yards of soils to be excavated from boring locations B-13, B-15 and B-24 areas as shown on the figure attached (Figure 3) to this letter and does not apply to any other area or other media. Any data used for this contained-in determination is

intended for use in determining the proper disposal of the soils according to the Washington State Dangerous Waste Regulations (Chapter 173-303 WAC) and the Ecology Contained-in Policy. This letter is not an Ecology approval for dangerous waste designation or disposal of contaminated soils that may be generated or already excavated from other areas in this property.

This letter is not a No Further Action (NFA) letter and not written approval for any cleanup action plan you may have submitted. Instead, this letter only addresses the procedures for disposal of the contaminated soils according to the Washington State Dangerous Waste Regulations (Chapter 173-303 WAC). Regulatory decisions regarding the cleanup action, applicable soil and groundwater cleanup levels and any other cleanup issues must comply with the requirements under Ecology Model Toxics Control Act (Chapter 173-340 WAC). Local agencies may have the authority to impose additional requirements on this waste stream.

If you fail to comply with the terms of this letter, Ecology may issue an administrative order and/or penalty as provided by the Revised Code of Washington, Sections 70.105.080 and/or .095 (Hazardous Waste Management Act).

If you have any questions concerning this letter, please feel free to contact me at (425) 649-7253 or bmae461@ecy.wa.gov.

Sincerely,

Byung Maeng, PE
Hazardous Waste and Toxics Reduction Program

By certified mail: 9171 9690 0935 0136 8280 01

Attachment: Figure 3 Estimated Extent of Impacted Soil to be Excavated

ecc: Lisa Brown, Ecology-ERO
Greg Caron, Ecology-CRO
Dean Yasuda, Ecology-NWRO
Chuck Hoffman, Ecology-SWRO
Mindy Collins, Ecology-BFO
Tena Seeds, Environmental Partners (tena@epi-wa.com)
Eric Koltes, Environmental Partners (erick@epi-wa.com)
David Christensen, Seattle-King County Public Health (david.christensen@kingcounty.gov)
Darshan Dhillon, Seattle-King County Public Health (darshan.dhillon@kingcounty.gov)

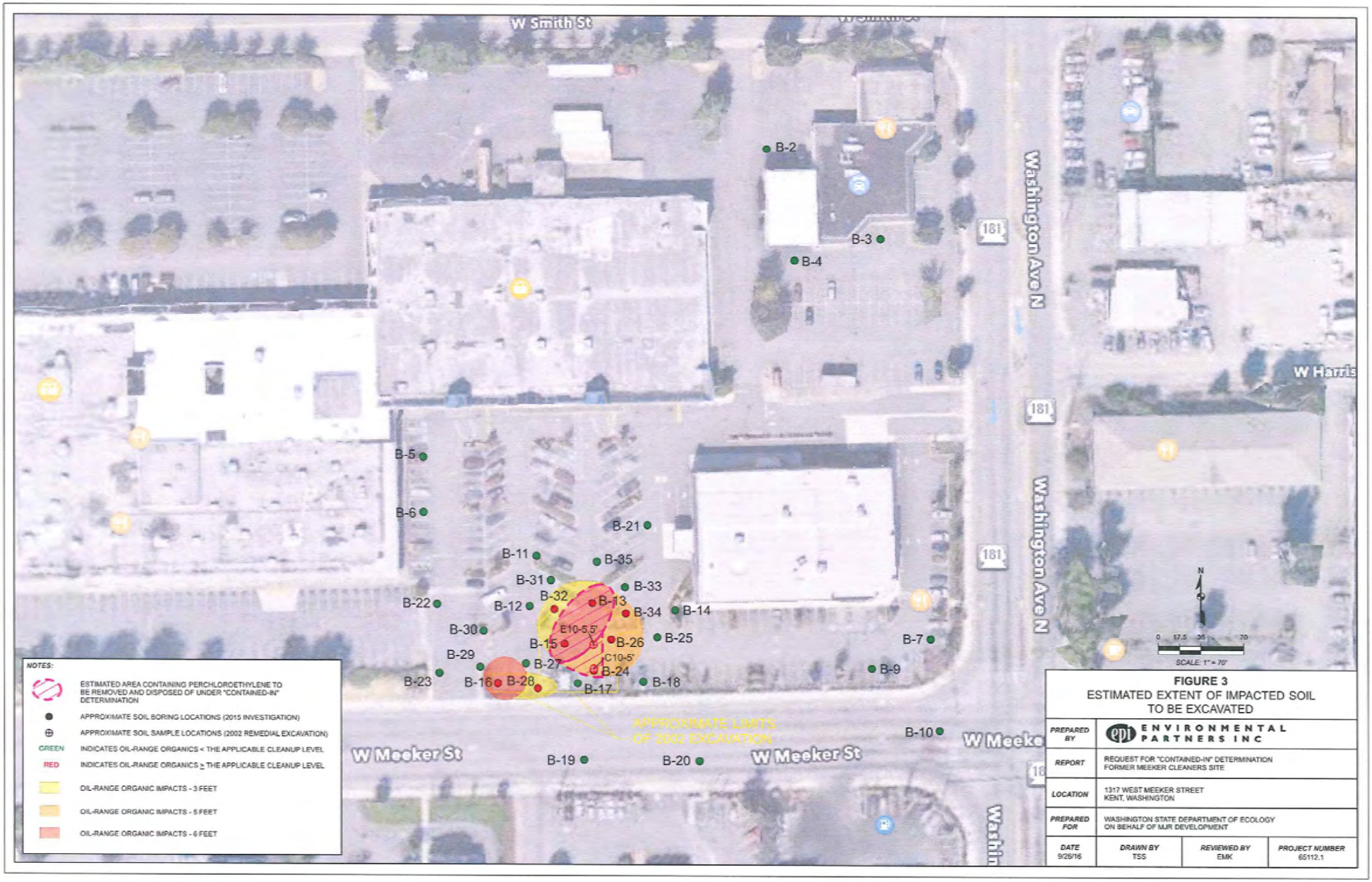

FIGURE 3
ESTIMATED EXTENT OF IMPACTED SOIL TO BE EXCAVATED

PREPARED BY	epi ENVIRONMENTAL PARTNERS INC		
REPORT	REQUEST FOR "CONTAINED-IN" DETERMINATION FORMER MEEKER CLEANERS SITE		
LOCATION	1317 WEST MEEKER STREET KENT, WASHINGTON		
PREPARED FOR	WASHINGTON STATE DEPARTMENT OF ECOLOGY ON BEHALF OF MJR DEVELOPMENT		
DATE 9/26/16	DRAWN BY TSS	REVIEWED BY EMK	PROJECT NUMBER 65112.1

Subject: Fwd: Meeker Cleaners CID
Date: Friday, July 7, 2017 at 3:21:21 PM Pacific Daylight Time
From: Eric Koltes
To: Betsy Wing

Approval email

Eric Koltes LG - Senior Geologist
ENVIRONMENTAL PARTNERS, INC.
1180 NW Maple Street, Suite 310 Issaquah, Washington 98027
425.395.0014 (direct) | 425.922.5666 (cell) | erick@epi-wa.com

Sent from my iPad

Begin forwarded message:

From: "Maeng, Byung (ECY)" <BMAE461@ECY.WA.GOV>
Date: January 23, 2017 at 11:34:49 AM PST
To: Eric Koltes <erick@epi-wa.com>
Cc: Tena Seeds <tena@epi-wa.com>
Subject: RE: Meeker Cleaners CID

The email will serve as the Ecology approval. The revise letter won't be issued.
Byung Maeng, PE
Hazardous Waste and Toxics Reduction Program
Northwest Regional Office
(425) 649-7253, bmae461@ecy.wa.gov

From: Eric Koltes [mailto:erick@epi-wa.com]
Sent: Monday, January 23, 2017 11:11 AM
To: Maeng, Byung (ECY) <BMAE461@ECY.WA.GOV>
Cc: Tena Seeds <tena@epi-wa.com>
Subject: Re: Meeker Cleaners CID

Byung,

Thank you for the reply. Does this mean that you will be revising the letter? Or does this email serve as the authorization?

Please let me know.

Eric

Eric Koltes LG - Senior Geologist
ENVIRONMENTAL PARTNERS, INC.
1180 NW Maple Street, Suite 310 Issaquah, Washington 98027

On Jan 23, 2017, at 11:02 AM, Maeng, Byung (ECY) <BMAE461@ECY.WA.GOV> wrote:

Your request for soil disposal deadline extension under the October 18, 2016 contained-in determination is approved and the new deadline is March 31, 2017. If you have any question, please call or email me.
Thanks,

Byung Maeng, PE
Hazardous Waste and Toxics Reduction Program
Northwest Regional Office
(425) 649-7253, bmae461@ecy.wa.gov

From: Tena Seeds [mailto:tena@epi-wa.com]
Sent: Thursday, January 19, 2017 8:51 AM
To: Maeng, Byung (ECY) <BMAE461@ECY.WA.GOV>
Cc: Eric Koltes <erick@epi-wa.com>
Subject: RE: Meeker Cleaners CID

Hello Mr. Maeng,

I just left you a voicemail about this CID for the Former Meeker Cleaners Site located in Kent, WA (see attached). I wanted to follow up with you regarding a request to extend the CID into 2017 that my colleague, Eric Koltes, recently sent to you.

Due to delays with the project, the work has not yet been started. However, it is now scheduled to begin in February 2017. As indicated in our original CID request letter, the work is expected to take at least 3 to 4 weeks to complete.

Will you be able to grant an extension to the CID for this project? Please let me or Eric know as soon as possible.

Your prompt assistance is greatly appreciated.

Thank you,

Tena Seeds, P.E. - Senior Engineer
ENVIRONMENTAL PARTNERS, INC.
1180 NW Maple Street, Suite 310 Issaquah, Washington 98027
425.395.0042 (direct) | 425.628.9989 (cell) | tenas@epi-wa.com

---

From: "Aboe, Sharon L (ECY)" <sabo461@ECY.WA.GOV>
Date: Tuesday, October 18, 2016 at 10:47 AM
To: "Maeng, Byung (ECY)" <BMAE461@ECY.WA.GOV>
Cc: "Brown, Lisa (ECY)" <LBRO461@ECY.WA.GOV>, "Caron, Greg (ECY)" <GRCA461@ECY.WA.GOV>, "Yasuda, Dean (ECY)" <DYAS461@ECY.WA.GOV>, "Hoffman, Charles (ECY)" <chof461@ECY.WA.GOV>, "Collins, Mindy (ECY)" <MINC461@ECY.WA.GOV>, Tena Seeds <tena@epi-wa.com>, Eric Koltes <erick@epi-wa.com>, "'Christensen, David'" <David.Christensen@kingcounty.gov>, "Dhillon, Darshan" <Darshan.Dhillon@kingcounty.gov>
Subject: Meeker Cleaners CID

Sharon Aboe
Administrative Assistant
Dept of Ecology Northwest Regional Office
Hazardous Waste & Toxics Reduction Program
425-649-7246
sabo461@ecy.wa.gov

Attachment E
Well Decommissioning Forms

DEPARTMENT OF ECOLOGY
State of Washington

Notice of Intent to Decommission a Well

Notification Number **AE41864**

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

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

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

1. Property Owner: MJR Development | Phone Number:
Mailing Address: 6725 116th Ave NE Suite 100 | City: Krikland | State: WA | Zip Code: 98033

2. Agent (if different from above): Environmental Partners | Phone Number: (425) 395-0010
Mailing Address: 1180 NW Maple St Suite 310 | City: Issaquah | State: WA | Zip Code: 98027

3. Well Location

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

County Name: King - 17

Well Site Street Address: 1301 W Meeker St | City: Kent | State: WA | Zip Code: 98032

Tax Parcel Number	Township	Range	Section	¼ (within 160 acres)	¼ -¼ (within 40 acres)
	22N	4E	24	NW	NW

Latitude Degrees	Latitude Time	Horizontal Collection Method
	min sec	
Longitude Degrees	Longitude Time	
	min sec	

4. Notice of Intent Number of well being decomissioned

Unique Well Tag Number of well being decomissioned (if applicable)

5. Well Type to Decommission

How Many? 4

6. Estimated Decommission Start Date: 2/27/2017 12:00:0 | Project Name: 65112.3

7. Professional's License Number: 41502

8. Well Drilling Company Name | Phone Number: None Supplied

9. Well Driller Name: Joshua Bernthal | Driller License Number

10. **Send the entire form.**

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

Water Well :	$50.00
Soil Sampling, Dewatering, Environmental investigation wells:	No Fee
All other wells:	$20.00 each
Amount Enclosed $	$80

This notification number must be provided to your driller:

AE41864

betsyw@epi-wa.com

Your Notice of Intent has been processed as of 6/27/2017. Your Cash Journal Validation Number is: 461T2998. This message being sent at (6/27/2017)

Instructions

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

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

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

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

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

Item 6: Enter the approximate decommissioning start date.

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

For Assistance

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

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

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

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

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

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

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

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

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

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

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT Notice of Intent No. AE41864

Construction/Decommission

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Property Owner: MJR Development

Site Address: 1301 West Meeker St

Consulting Firm: Environmental Partners, Inc. (EPI)

City: Seattle County: King

EWM

Unique Ecology Well ID

Tag No. _____

Location 1/4 NW 1/4 NW Sec 24 TWN 22N R 4E or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Materials used and the information reported above are true to my best knowledge and belief

Lat/Long (s,t,r still Required) Lat Deg n/a Lat Min/Sec n/a Long Deg n/a Long Min/Sec n/a

Tax Parcel No. 5436200524

☒ Driller ☐ Trainee Name (Print) Unknown

Driller/Trainee Signature _____

Driller/Trainee License No. _____

Cased or Uncased Diameter 2" Static Level _____

Work/Decommision Start Date 2/27/17

If trainee, licesned drillers' Signature and License No. _____

Work/Decommision Completed Date 2/27/17

Construction/Design	Well Data	Formation Description
CONCRETE SURFACE SEAL	1 FT	0 - 1 FT
BACKFILL	14 FT Bentonite chips	1 - 15 FT
DEPTH OF BORING	15 FT	

REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG # : _____

CLIENT WELL ID #: MW-2

RECEIVED

APR 14 2017

DEPT OF ECOLOGY NWRO WA

Scale 1" = _____

ECY 050-12 (Rev 2/01)

Note: wells completely removed/excavated; well tags not available.

Decommissioned by EPI Senior Engineer: [signature]

License #: 41502

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT Notice of Intent No. AE41864

Construction/Decommission

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Consulting Firm **Environmental Partners, Inc.** (EPI)

Property Owner **MJR Development**

Site Address 1301 West Meeker St

City **Seattle** County **King** EWM

Unique Ecology Well ID

Tag No. _____

Location 1/4 **NW** 1/4 **NW** Sec **24** TWN **22N** R **4E** or WWM

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards

Materials used and the information reported above are true to my best knowledge and belief

Lat/Long (s,t,r still Required) Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

Tax Parcel No. **5436200524**

☒ Driller ☐ Trainee Name (Print) Unknown

Driller/Trainee Signature _____

Driller/Trainee License No. _____

Cased or Uncased Diameter **2"** Static Level _____

Work/Decommision Start Date **2/27/17**

If trainee, licesned drillers' Signature and License No. _____

Work/Decommision Completed Date **2/27/17**

Construction/Design	Well Data	Formation Description
CONCRETE SURFACE SEAL	1 FT	0 - 1 FT
BACKFILL	14 FT Bentonite Chips	1- 15 FT
DEPTH OF BORING	15 FT	

REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG # : _____

CLIENT WELL ID #: MW-3

RECEIVED
APR 14 2017
DEPT OF ECOLOGY
NWRO - WR

Scale 1" = _____

ECY 050-12 (Rev 2/01)

Note: wells completely removed/excavated; well tags not available.

Decommissioned by EPI Senior Engineer

License #: 41502

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT Notice of Intent No. AE41864

Construction/Decommission

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Property Owner: **MJR Development**

Site Address: 1301 West Meeker St

Consulting Firm: **Environmental Partners, Inc.** (EPI)

City: **Seattle** County: **King**

EWM

Unique Ecology Well ID

Tag No. _____

Location 1/4 NW 1/4 NW Sec 24 TWN 22N R 4E or WWM

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

Lat/Long (s,t,r still Required) Lat Deg n/a Lat Min/Sec n/a Long Deg n/a Long Min/Sec n/a

☒ Driller ☐ Trainee Name (Print) Unknown

Tax Parcel No. 5436200524

Driller/Trainee Signature _____

Driller/Trainee License No. _____

Cased or Uncased Diameter 2" Static Level _____

Work/Decommision Start Date 2/27/17

If trainee, licesned drillers' Signature and License No. _____

Work/Decommision Completed Date 2/27/17

Construction/Design	Well Data	Formation Description
CONCRETE SURFACE SEAL	1 FT	0 - 1 FT
BACKFILL	14 FT Bentonite chips	1 - 15 FT
DEPTH OF BORING	15 FT	

REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG # : _____

CLIENT WELL ID #: MW-4

RECEIVED

APR 14 2017

DEPT OF ECOLOGY NWRO - WR

Scale 1" = _____

ECY 050-12 (Rev 2/01)

Note: wells completely removed/excavated; well tags not available.

Decommissioned by EPI Senior Engineer: _____

License #: 41502

RESOURCE PROTECTION WELL REPORT

(SUBMIT ONE WELL REPORT PER WELL INSTALLED)

CURRENT Notice of Intent No. AE41864

Construction/Decommission

☐ Construction

☒ Decommission *ORIGINAL INSTALLATION Notice of Intent Number* _____

Type of Well

☒ Resource Protection

☐ Geotechnical Soil Boring

Property Owner: **MJR Development**

Site Address: 1301 West Meeker St

Consulting Firm: **Environmental Partners, Inc.** (EPI)

City: **Seattle** County: **King**

EWM

Unique Ecology Well ID

Tag No. _____

Location: 1/4 **NW** 1/4 **NW** Sec **24** TWN **22N** R **4E** or WWM

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

Lat/Long (s,t,r still Required): Lat Deg **n/a** Lat Min/Sec **n/a** Long Deg **n/a** Long Min/Sec **n/a**

☒ Driller ☐ Trainee Name (Print) Unknown

Tax Parcel No. **5436200524**

Driller/Trainee Signature _____

Cased or Uncased Diameter **2"** Static Level _____

Driller/Trainee License No. _____

Work/Decommision Start Date **2/27/17**

If trainee, licesned drillers' Signature and License No. _____

Work/Decommision Completed Date **2/27/17**

Construction/Design	Well Data	Formation Description
CONCRETE SURFACE SEAL	1 FT	0 - 1 FT
BACKFILL	14 FT Bentonite Chips	1 - 15 FT
DEPTH OF BORING	15 FT	

REQUIRED INFORMATION

(Must get one or both if available)

DEPT OF ECOLOGY WELL TAG # : _____

CLIENT WELL ID #: MW-5

RECEIVED
APR 14 2017
DEPT OF ECOLOGY
NWRO - WR

Scale 1" = _____

ECY 050-12 (Rev 2/01)

Note: wells completely removed/excavated; well tags not available.

Decommissioned by EPI Senior Engineer

License #: 41502

Attachment F
Analytical Reports

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 17, 2017

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

RE: 65112.3, F&BI 702230

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 15, 2017 from the 65112.3, F&BI 702230 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, Josh Bernthal, Betsy Wing
EPI0217R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 15, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702230 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702230 -01	B12-SSW-1:2
702230 -02	C12-ESW-1:2
702230 -03	D12-ESW-1:2
702230 -04	C12-B-1:3
702230 -05	D11-B-1:3
702230 -06	D11-NSW-1:2
702230 -07	B10-SSW-1:3.5
702230 -08	B9-SSW-1:3
702230 -09	C7-WSW-1:3
702230 -10	C11-ESW-1:5.5
702230 -11	D7-WSW-1:4
702230 -12	Trip Blank

All quality control requirements were acceptable.

Date of Report: 02/17/17
Date Received: 02/15/17
Project: 65112.3, F&BI 702230
Date Extracted: 02/15/17
Date Analyzed: 02/15/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
B12-SSW-1:2 702230-01	<50	<250	89
C12-ESW-1:2 702230-02	130 x	2,400	91
D12-ESW-1:2 702230-03	530 x	5,200	87
C12-B-1:3 702230-04	<50	<250	89
D11-B-1:3 702230-05	<50	<250	90
D11-NSW-1:2 702230-06	<50	<250	88
B10-SSW-1:3.5 702230-07	<50	<250	96
B9-SSW-1:3 702230-08	270 x	3,700	99
C7-WSW-1:3 702230-09	110 x	2,000	88
C11-ESW-1:5.5 702230-10	<50	<250	96

Date of Report: 02/17/17
Date Received: 02/15/17
Project: 65112.3, F&BI 702230
Date Extracted: 02/15/17
Date Analyzed: 02/15/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
D7-WSW-1:4 702230-11	<50	<250	89
Method Blank 07-319 MB	<50	<250	122

Date of Report: 02/17/17
Date Received: 02/15/17
Project: 65112.3, F&BI 702230

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702230-06 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	109	113	73-135	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	101	74-139

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.

702230

SAMPLE CHAIN OF CUSTODY

ME 2/15/17 VW2/B03

Page # 1 of 2

Report To Betsy Wing, Josh Bernthal, Eric Kolles

Company Environmental Partners Inc. (EPI)

Address 1180 NW Maple St Suite 310

City, State, ZIP Issaquah, WA 98027

Phone (425) 395-0040 Email betsyw@epi-wa.com, joshb@epi-wa.com, erick@epi-wa.com

SAMPLERS (*signature*): Betsy Wing

PROJECT NAME: 65112.3

PO #: 65112.3

REMARKS: Results by 10AM on 2/16.

INVOICE TO: EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH results by 10AM 2/16
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
						ANALYSES REQUESTED											
B12-SSW-1:2	01	2/15/17	0918	Soil	1		X										
C12-ESW-1:2	02	2/15/17	0925	Soil	1		X										
D12-ESW-1:2	03	2/15/17	0934	Soil	1		X										
C12-B-1:3	04	2/15/17	0930	Soil	1		X										
D11-B-1:3	05	2/15/17	0935	soil	1		X										
~~C12-B-1:3~~																	
D11-NSW-1:2	06	2/15/17	0942	soil	1		X										
B10-SSW-1:3.5	07	2/15/17	1308	soil	1		X										
B9-SSW-1:3	08	2/15/17	1312	soil	1		X										
C7-WSW-1:3	09	2/15/17	1320	soil	1		X										

Samples received at 4°C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/15/17	15:00
Received by:	VIN'LH	FBI	2/15/17	15:00
Relinquished by:				
Received by:				

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

702230

SAMPLE CHAIN OF CUSTODY

ME 2/15/17 VWZ/B03

Page # 1 of 2

Report To ~~Betsy~~ Wing, Josh Bernthal, Eric Kolles

Company Environmental Partners, Inc. (EPI)

Address 1180 NW Maple St, Suite 310

City, State, ZIP Issaquah, WA 98027

Phone (425) 395-0040 Email betsyw@epi-wa.com, joshb@epi-wa.com, erick@epi-wa.com

SAMPLERS (signature) Betsy Wing

PROJECT NAME 65112.3

PO # 65112.3

REMARKS Results by 10AM 2/16/17

INVOICE TO EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/16
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
						ANALYSES REQUESTED											
C11-ESW-1:5.5	10	2/15/17 ~~140~~	1405	soil	1		X										
D7-WSW-1:4	11	2/15/17	1410	soil	1		X										
Trip Blank	12A B	2/15/17	1400	water	XZ												
																	Received at 4 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/15/17	15:00
Received by:		EPI	2/17/17	15:00
Relinquished by:				
Received by:				

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

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 20, 2017

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

RE: 65112.3, F&BI 702244

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 16, 2017 from the 65112.3, F&BI 702244 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, Josh Bernthal, Betsy Wing
EPI0220R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 16, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702244 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702244-01	D8-NSW-1:4
702244-02	D9-NSW-1:3.5
702244-03	C9-B-1:6
702244-04	C10-B-1:7
702244-05	G18-Hyd-E-1:3
702244-06	F19-ESW-1:3.5
702244-07	G18-Hyd-W-1:3
702244-08	J18-NSW-1:3
702244-09	I20-ESW-1:3
702244-10	G18-Hyd-N-1:5
702244-11	I18-B-1:5
702244-12	F18-B-1:5

All quality control requirements were acceptable.

Date of Report: 02/20/17
Date Received: 02/16/17
Project: 65112.3, F&BI 702244
Date Extracted: 02/16/17
Date Analyzed: 02/16/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
D8-NSW-1:4 702244-01	<50	<250	106
D9-NSW-1:3.5 702244-02	<50	<250	107
C9-B-1:6 702244-03	<50	<250	102
C10-B-1:7 702244-04	<50	<250	102
G18-Hyd-E-1:3 702244-05	140 x	3,300	109
F19-ESW-1:3.5 702244-06	<50	<250	100
G18-Hyd-W-1:3 702244-07	<50	<250	101
J18-NSW-1:3 702244-08	<50	<250	98
I20-ESW-1:3 702244-09	<50	<250	102
G18-Hyd-N-1:5 702244-10	130 x	3,000	100

Date of Report: 02/20/17
Date Received: 02/16/17
Project: 65112.3, F&BI 702244
Date Extracted: 02/16/17
Date Analyzed: 02/16/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
I18-B-1:5 702244-11	<50	<250	95
F18-B-1:5 702244-12	<50	<250	98
Method Blank 07-321 MB	<50	<250	98

Date of Report: 02/20/17
Date Received: 02/16/17
Project: 65112.3, F&BI 702244

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702227-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	104	112	63-146	7

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	97	79-144

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.

702244

SAMPLE CHAIN OF CUSTODY

ME 02-16-17

003

Page # 1 of 2

Report To ~~Betsy~~ Wing, Josh Bernthal, Eric Koltes

Company Environmental Partners (EPI)

Address 1180 NW Maple St., Suite 310

City, State, ZIP Issaquah, WA 98027

Phone (425) 395-0040 Email betsyw@epi-wa.com, joshb@epi-wa.com, ericK@epi-wa.com

SAMPLERS (signature) Betsy Wing

PROJECT NAME 65112.3

PO # 65112.3

REMARKS Results by 10AM 2/17/17

INVOICE TO EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH results by 10AM 2/17
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
D8-NSW-1:4	01	2/16/17	0910	soil	1		X										
D9-NSW-1:3.5	02	2/16/17	0915	soil	1		X										
C9-B-1:6	03	2/16/17	0930	soil	1		X										
C10-B-1:7	04	2/16/17	1140	soil	1		X										
G18-Hyd-E-1:3	05	2/16/17	1230	soil	1		X										
F19-ESW-1:3.5	06	2/16/17	~~1225~~	soil	1		X										
G18-Hyd-W-1:3	07	2/16/17	1240	soil	1		X										
J18-NSW-1:3	08	2/16/17	1330	soil	1		X										
I20-ESW-1:3	09	2/16/17	1335	soil	1		X										Samples received at 2 °C
G18-Hyd-N-1:5	10	2/16/17	1340	soil	1		X										

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/16/17	1427
Received by:	VINH	FBI	2/16/17	1427
Relinquished by:				
Received by:				

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

702244

SAMPLE CHAIN OF CUSTODY

ME 02-16-17

03

Page # 2 of 2

Report To Betsy Wing, Bernthal, Josh Eric Kolles

Company Environmental Partners (EPI)

Address 1180 NW Maple St., Suite 310

City, State, ZIP Issaquah, WA 98027

Phone (425) 395-0040 Email betsyw@epi-wa.com, joshb@epi-wa.com, erickb@epi-wa.com

SAMPLERS (*signature*) Betsy Wing

PROJECT NAME 65112.3

PO # 65112.3

REMARKS Results by 10AM 2/17/17

INVOICE TO EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/17
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
I18-B-1:5	11	2/16/17	1400	Soil	1		X										
F18-B-1:5	12	2/16/17	1420	Soil	1		X										

Samples received at 2 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/16/17	1427
Received by:	VINH	FBI	2/16/17	1427
Relinquished by:				
Received by:				

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Seattle, WA 98119-2029
Ph. (206) 285-8282

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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www.friedmanandbruya.com

March 7, 2017

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

RE: 65112.3, F&BI 702271

Dear Ms Wing:

Included is the amended report from the testing of material submitted on February 17, 2017 from the 65112.3, F&BI 702271 project. Per your request, sample ID D17-ESW-1:4.5' has been amended to D17-ESW-1:4.5.

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, Josh Bernthal, Eric Koltes
EPI0221R.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.

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Seattle, WA 98119-2029
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fbi@isomedia.com
www.friedmanandbruya.com

February 21, 2017

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

RE: 65112.3, F&BI 702271

Dear Ms Wing:

Included are the results from the testing of material submitted on February 17, 2017 from the 65112.3, F&BI 702271 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, Josh Bernthal, Eric Koltes
EPI0221R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 17, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702271 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702271 -01	D17-ESW-1:4.5
702271 -02	D15-WSW-1:4.5
702271 -03	E16-B-1:5
702271 -04	F14-WSW-1:3.5
702271 -05	C13-ESW-1:2
702271 -06	A9-SSW-1:3
702271 -07	Trip Blank

All quality control requirements were acceptable.

Date of Report: 02/21/17
Date Received: 02/17/17
Project: 65112.3, F&BI 702271
Date Extracted: 02/17/17
Date Analyzed: 02/17/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
D17-ESW-1:4.5 702271-01	540 x	6,600	113
D15-WSW-1:4.5 702271-02	<50	<250	116
E16-B-1:5 702271-03	<50	<250	109
F14-WSW-1:3.5 702271-04	530 x	6,200	102
C13-ESW-1:2 702271-05	200 x	4,000	105
A9-SSW-1:3 702271-06	<50	<250	102
Method Blank 07-335 MB	<50	<250	107

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	E16-B-1:5	Client:	Environmental Partners
Date Received:	02/17/17	Project:	65112.3, F&BI 702271
Date Extracted:	02/17/17	Lab ID:	702271-03
Date Analyzed:	02/17/17	Data File:	021719.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	89	113
Toluene-d8	104	64	137
4-Bromofluorobenzene	95	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.3, F&BI 702271
Date Extracted:	02/17/17	Lab ID:	07-0272 mb
Date Analyzed:	02/17/17	Data File:	021708.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	89	113
Toluene-d8	101	64	137
4-Bromofluorobenzene	94	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Date of Report: 02/21/17
Date Received: 02/17/17
Project: 65112.3, F&BI 702271

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702271-06 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	118	115	63-146	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	104	79-144

Date of Report: 02/21/17
Date Received: 02/17/17
Project: 65112.3, F&BI 702271

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 702243-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	31	10-91
Chloroethane	mg/kg (ppm)	2.5	<0.5	39	10-101
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	50	11-103
Methylene chloride	mg/kg (ppm)	2.5	<0.5	65	14-128
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	62	13-112
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	63	23-115
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	70	25-120
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	66	22-124
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	68	27-112
Trichloroethene	mg/kg (ppm)	2.5	<0.02	68	30-112
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	74	25-114

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	76	71	42-107	7
Chloroethane	mg/kg (ppm)	2.5	76	73	47-115	4
1,1-Dichloroethene	mg/kg (ppm)	2.5	100	97	65-110	3
Methylene chloride	mg/kg (ppm)	2.5	108	103	50-127	5
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	109	106	71-113	3
1,1-Dichloroethane	mg/kg (ppm)	2.5	105	100	74-109	5
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	110	107	73-110	3
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	99	96	73-111	3
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	115	111	72-116	4
Trichloroethene	mg/kg (ppm)	2.5	106	103	72-107	3
Tetrachloroœthene	mg/kg (ppm)	2.5	110	109	73-111	1

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.

702271

M & 2/17/17 Co_2/US, LM

SAMPLE CHAIN OF CUSTODY

Page # 1 of

Report To Betsy Wing, Josh Bernthal, Eric Koltes

Company EPI

Address 1180 NW Maple St, Suite 310

City, State, ZIP Issaquah, WA 98027

Phone (425) 395-0040 Email betsyw@epi-wa.com, joshb@epi-wa.com, erickk@epi-wa.com

SAMPLERS (signature) Betsy Wing

PROJECT NAME 65112.3

PO # 65112.3

REMARKS Results needed by 10AM 2/20/17

INVOICE TO EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/20/17

Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Archive Samples
- ☐ Other

Sample ID (ID duplicate per BW 2/1/17 MK)	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
D17-ESW-1:4.5	-01	2/17/17	11:20	Soil	1		X										
D15-WSW-1:4.5	-02	2/17/17	11:25	Soil	1		X										
E16-B-1:5	03A-E	2/17/17	1330	Soil	5		X			X							HVOCs only for 8260C
F14-WSW-1:3.5	04	2/17/17	1350	Soil	1		X										
C13-ESW-1:2	05	2/17/17	1400	Soil	1		X										
A9-SSW-1:3	06	2/17/17	1420	Soil	1		X										
Trip Blank	07A-B	NA	NA	water	2												- Hold

ANALYSES REQUESTED

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Betsy Wing	Betsy Wing	EPI	2/17/17	1450
Received by:		VINT	EPI	2/17/17	1450
Relinquished by:					
Received by:					

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

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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fbi@isomedia.com
www.friedmanandbruya.com

March 10, 2017

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

RE: 65112.3, F&BI 702288

Dear Mr Koltes:

Included is the amended report from the testing of material submitted on February 20, 2017 from the 65112.3, F&BI 702288 project. Per your request, the sample IDs have been updated.

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: Betsy Wing, Josh Bernthal
EPI0222R.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.

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www.friedmanandbruya.com

February 22, 2017

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

RE: 65112.3, F&BI 702288

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 20, 2017 from the 65112.3, F&BI 702288 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: Betsy Wing, Josh Bernthal
EPI0222R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 20, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702288 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702288-01	D17-ESW-2:4.5
702288-02	K17-NSW-1:4
702288-03	K15-WSW-1:3.5

All quality control requirements were acceptable.

Date of Report: 02/22/17
Date Received: 02/20/17
Project: 65112.3, F&BI 702288
Date Extracted: 02/20/17
Date Analyzed: 02/20/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
D17-ESW-2:4.5 702288-01	510 x	4,700	108
K17-NSW-1:4 702288-02	<50	<250	106
K15-WSW-1:3.5 702288-03	<50	<250	98
Method Blank 07-339 MB	<50	<250	105

Date of Report: 02/22/17
Date Received: 02/20/17
Project: 65112.3, F&BI 702288

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702231-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	107	111	73-135	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	107	74-139

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.

702288

SAMPLE CHAIN OF CUSTODY

ME 02/20/17 C01

Page # 1 of 1

Report To Betsy Josh Eric Wing, Bertrand, Kelles

Company EPI

Address 1180 NW Maple St, Suite 310

City, State, ZIP Issaquah, WA 98027

Phone (425) 395-0049 Email betsyw@epi-wa.com, joshb@epi-wa.com, ericke@epi-wa.com

SAMPLERS (*signature*)

PROJECT NAME: 65112.3

PO #: 65112.3

REMARKS: Results by 10AM 2/21/17

INVOICE TO: EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH results by 10AM 2/21
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
DP17-ESW-1:4.5 (2:4.5)	01	2/20/17	1406	Soil	1		X										
KP17-NSW-1:4	02		1340	Soil	1		X										
KP15-WSW-1:3.5	03		1348	Soil	1		X										
update depths BW 3/1/17 +3/6/17 mg																	
													Samples received at 4 °C				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/20/17	1420
Received by:	VINH	FBI	2/20/17	1420
Relinquished by:				
Received by:				

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Seattle, WA 98119-2029
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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Arina Podnozova, B.S.
Eric Young, B.S.

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Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

March 7, 2017

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

RE: 65112.3, F&BI 702289

Dear Mr Koltes:

Included is the amended report from the testing of material submitted on February 20, 2017 from the 65112.3, F&BI 702289 project. There are 4 pages included in this report. Per your request, the sample ID B13-B-1:3.4 has been amended to C13-B-1:3.4.

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, Betsy Wing
EPI0222R.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

February 22, 2017

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

RE: 65112.3, F&BI 702289

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 20, 2017 from the 65112.3, F&BI 702289 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, Josh Bernthal, Betsy Wing
EPI0222R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 20, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702289 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702289 -01	C13-B-1:3.4
702289 -02	B13-SSW-1:2
702289 -03	C14-ESW-1:2
702289 -04	B14-ESW-1:2

All quality control requirements were acceptable.

Date of Report: 02/22/17
Date Received: 02/20/17
Project: 65112.3, F&BI 702289
Date Extracted: 02/21/17
Date Analyzed: 02/21/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
C13-B-1:3.4 702289-01	380 x	4,700	121
B13-SSW-1:2 702289-02	110 x	2,600	118
C14-ESW-1:2 702289-03	300 x	3,500	110
B14-ESW-1:2 702289-04	85 x	2,200	111
Method Blank 07-339 MB2	<50	<250	127

Date of Report: 02/22/17
Date Received: 02/20/17
Project: 65112.3, F&BI 702289

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702231-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	107	111	73-135	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	107	74-139

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.

702289

SAMPLE CHAIN OF CUSTODY ME 2/20/17

Page # ____ of 001

Report To Betsy Wing, Josh Bernthal, Eric Koltes

Company EPI

Address 1180 NW Maple St Suite 310

City, State, ZIP Issaquah, WA

Phone (425) 395-0840 Email betsyw@epi-wa.com, joshb@epiwa.com, erick@epi-wa.com

SAMPLERS (*signature*): Betsy Wing

PROJECT NAME: 65112.3

PO #: 65112.3

REMARKS: Results by 10AM 2/20/17

INVOICE TO: EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 2/10 10AM 2/21/17
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID (ID update per BW 3/1/17 mg.)	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
C B13-B-1:3.4	01	2/20/17	1505	Soil	1		X										
B13-SSW-1:2	02	2/20/17	1455	Soil	1		X										
C14-ESW-1:2	03	2/20/17	1447	Soil	1		X										
B14-ESW-1:2	04	2/20/17	1440	Soil	1		X										

ANALYSES REQUESTED

plas received at 4 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/20/17	1640
Received by:	Matt Langstraat	FBInc	2/20/17	1640
Relinquished by:				
Received by:				

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

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 7, 2017

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

RE: 65112.3, F&BI 702314

Dear Mr Koltes:

Included is the amended report from the testing of material submitted on February 21, 2017 from the 65112.3, F&BI 702314 project. Per your request, several sample IDs have been amended.

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, Betsy Wing
EPI0223R.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
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(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

February 23, 2017

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

RE: 65112.3, F&BI 702314

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 21, 2017 from the 65112.3, F&BI 702314 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, Josh Bernthal, Betsy Wing
EPI0223R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 21, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702314 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702314 -01	D13-NSW-1:2
702314 -02	I12-B-1:5
702314 -03	H15-B-1:5.5
702314 -04	K15-B-1:5.5
702314 -05	F14-B-1:5.5
702314 -06	F14-WSW-2:3.5
702314 -07	G13-WSW-1:3.5
702314 -08	F16-B-1:5
702314 -09	I17-B-1:5.5
702314 -10	I13-WSW-1:3.5
702314 -11	B14-ESW-2:2
702314 -12	C14-ESW-2:2.5
702314 -13	C13-B-2:4.5

All quality control requirements were acceptable.

Date of Report: 02/23/17
Date Received: 02/21/17
Project: 65112.3, F&BI 702314
Date Extracted: 02/21/17
Date Analyzed: 02/21/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
D13-NSW-1:2 702314-01	480 x	5,100	118
I12-B-1:5 702314-02	<50	<250	123
H15-B-1:5.5 702314-03	<50	<250	116
K15-B-1:5.5 702314-04	<50	<250	121
F14-B-1:5.5 702314-05	<50	<250	111
F14-WSW-2:3.5 702314-06	570 x	6,200	123
G13-WSW-1:3.5 702314-07	470 x	4,400	115
F16-B-1:5 702314-08	<50	<250	108
I17-B-1:5.5 702314-09	<50	<250	117
I13-WSW-1:3.5 702314-10	<50	<250	120

Date of Report: 02/23/17
Date Received: 02/21/17
Project: 65112.3, F&BI 702314
Date Extracted: 02/21/17
Date Analyzed: 02/21/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
B14-ESW-2:2 702314-11	160 x	2,100	108
C14-ESW-2:2.5 702314-12	580 x	5,900	114
C13-B-2:4.5 702314-13	310 x	3,700	112
Method Blank 07-368 MB	<50	<250	124

Date of Report: 02/23/17
Date Received: 02/21/17
Project: 65112.3, F&BI 702314

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702307-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	121	108	63-146	11

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	101	79-144

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.

702314 Betsy Josh Eric

SAMPLE CHAIN OF CUSTODY ME 02/21/17

Cov

Page # 1 of 2

Report To Wing, Bentnal, Kelles

Company EPI

Address 1180 NW Maple St., Suite #310

City, State, ZIP Issaquah, WA

Phone (425) 395-0041 Email betsyw@epi-wa.com, josh@epi-wa.com, erick@epi-wa.com

SAMPLERS (signature) Betsy Wing

PROJECT NAME 65112.3

PO # 65112.3

REMARKS Results by 10AM 2/22

INVOICE TO EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/22
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID (IDs updated per BW 3/1/17 mc)	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM				Notes
D E13-NSW-1:2	01	2/21/17	0905	Soil	1		X									
I12-B-1:5	02	2/21/17	0950	Soil	1		X									
H15-B-1:5.5	03	2/21/17	1005	Soil	1		X									
K15-B-1:5.5	04	2/21/17	0957	Soil	1		X									
F14-B-1:5.5	05	2/21/17	1010	Soil	1		X									
F14-WSW-2:3.5	06	2/21/17	1210	Soil	1		X									
G13-WSW-1:3.5	07	2/21/17	1205	Soil	1		X									
F16-B-1:5	08	2/21/17	1245	Soil	1		X									
I17-B-1:5.5	09	2/21/17	1250	Soil	1		X									
~~I13-B-1:5~~ I13-WSW-1.3.5	10	2/21/17	1220	Soil	1		X									

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	1411	2/21/17
Received by:	WNH	FBI	1411	2/21/17
Relinquished by:				
Received by:		Samples received at 4 °C		

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

72314 Betsy Wing, Josh Bertrand, Eric Kulas

SAMPLE CHAIN OF CUSTODY

ME 02/21/17

Cox

Page # 2 of

Report To

Company EPI

Address 1180 NW Maple St, Suite 310

City, State, ZIP Issaquah, WA

Phone (425) 395-0040 Email betsyw@epi-wa.com, josh b@epi-wa.com, eric k@epi-wa.com

SAMPLERS (signature): Betsy Wing

PROJECT NAME: 65112.3

PO #: 65112.3

REMARKS: Results by 10AM 2/22

INVOICE TO: EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/22
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
B14-ESW-2:2	11	2/21/17	1337	Soil	1		X										
C14-ESW-2:2.5	12	2/21/17	1345	Soil	1		X										
C B13-B-2:4.5	13	2/21/17	1403	Soil	1		X										

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	1411	2/21/17
Received by: Josh	Josh	EPI	1411	2/21/17
Relinquished by:				
Received by:		Samples received at 4 °C		

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

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

February 24, 2017

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

RE: 65112.3, F&BI 702317

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 21, 2017 from the 65112.3, F&BI 702317 project. There are 8 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, Betsy Wing
EPI0224R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 21, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702317 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702317 -01	E15-WSW-1:5.5
702317 -02	E16-ESW-1:5.5
702317 -03	G15-NSW-1:5.5
702317 -04	E15-B-1:6

All quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	E15-WSW-1:5.5	Client:	Environmental Partners
Date Received:	02/21/17	Project:	65112.3, F&BI 702317
Date Extracted:	02/21/17	Lab ID:	702317-01
Date Analyzed:	02/21/17	Data File:	022133.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	89	113
Toluene-d8	99	64	137
4-Bromofluorobenzene	97	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	E16-ESW-1:5.5	Client:	Environmental Partners
Date Received:	02/21/17	Project:	65112.3, F&BI 702317
Date Extracted:	02/21/17	Lab ID:	702317-02
Date Analyzed:	02/21/17	Data File:	022134.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	89	113
Toluene-d8	99	64	137
4-Bromofluorobenzene	96	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	0.030

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	G15-NSW-1:5.5	Client:	Environmental Partners
Date Received:	02/21/17	Project:	65112.3, F&BI 702317
Date Extracted:	02/21/17	Lab ID:	702317-03
Date Analyzed:	02/21/17	Data File:	022135.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	89	113
Toluene-d8	101	64	137
4-Bromofluorobenzene	98	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	E15-B-1:6	Client:	Environmental Partners
Date Received:	02/21/17	Project:	65112.3, F&BI 702317
Date Extracted:	02/21/17	Lab ID:	702317-04
Date Analyzed:	02/21/17	Data File:	022136.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	89	113
Toluene-d8	99	64	137
4-Bromofluorobenzene	95	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.3, F&BI 702317
Date Extracted:	02/21/17	Lab ID:	07-0343 mb
Date Analyzed:	02/21/17	Data File:	022105.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	89	113
Toluene-d8	104	64	137
4-Bromofluorobenzene	97	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Date of Report: 02/24/17
Date Received: 02/21/17
Project: 65112.3, F&BI 702317

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 702280-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	47	10-91
Chloroethane	mg/kg (ppm)	2.5	<0.5	51	10-101
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	71	11-103
Methylene chloride	mg/kg (ppm)	2.5	<0.5	88	14-128
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	84	13-112
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	81	23-115
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	87	25-120
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	82	22-124
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	94	27-112
Trichloroethene	mg/kg (ppm)	2.5	<0.02	86	30-112
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	96	25-114

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	66	67	42-107	2
Chloroethane	mg/kg (ppm)	2.5	68	70	47-115	3
1,1-Dichloroethene	mg/kg (ppm)	2.5	91	93	65-110	2
Methylene chloride	mg/kg (ppm)	2.5	97	99	50-127	2
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	99	100	71-113	1
1,1-Dichloroethane	mg/kg (ppm)	2.5	95	95	74-109	0
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	99	101	73-110	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	93	94	73-111	1
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	112	112	72-116	0
Trichloroethene	mg/kg (ppm)	2.5	98	99	72-107	1
Tetrachloroethene	mg/kg (ppm)	2.5	109	110	73-111	1

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

Betsy Josh Eric 702317 ME 2/21/17 VSI

Report To Betsy Wing, Bernthal, Koltes

Company EPI

Address 1180 NW Maple St., Suite 310

City, State, ZIP Issaquah, WA

Phone (425) 395-0640 Email betsyw@epi-wa.com, josnb@epi-wa.com, erick@epi-wa.com

SAMPLERS (*signature*): Betsy Wing

PROJECT NAME: 6S112.3

PO #: 6S112.3

REMARKS: Results by 10AM 2/22/17

INVOICE TO: EK

Page # 1 of 1

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/22
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
						ANALYSES REQUESTED											
E15-WSW-1:5.5	01A-D	2/21/17	1455	Soil	4					X							HVOCs only
E16-ESW-1:5.5	02A-D	2/21/17	1510	Soil	4					X							HVOCs only - difficult sample recovery
G15-NSW-1:5.5	03A-D	2/21/17	1535	Soil	4					X							HVOCs only
E15-B-1:6	04A-D	2/21/17	1445	Soil	4					X							HVOCs only
																	4

Notes received at °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/21/17	1653
Received by:	Matt Langdon	FBTAC	2/21/17	1653
Relinquished by:				
Received by:				

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

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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February 24, 2017

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

RE: 65112.3, F&BI 702338

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 22, 2017 from the 65112.3, F&BI 702338 project. There are 9 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, Betsy Wing
EPI0224R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 22, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702338 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702338 -01	J16-B-1:6
702338 -02	I16-SSW-1:5.5
702338 -03	K16-NSW-1:5.5
702338 -04	H18-Hyd-N-1:5.5

All quality control requirements were acceptable.

Date of Report: 02/24/17
Date Received: 02/22/17
Project: 65112.3, F&BI 702338
Date Extracted: 02/22/17
Date Analyzed: 02/22/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
H18-Hyd-N-1:5.5 702338-04	250 x	4,700	104
Method Blank 07-373 MB	<50	<250	97

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	J16-B-1:6	Client:	Environmental Partners
Date Received:	02/22/17	Project:	65112.3, F&BI 702338
Date Extracted:	02/22/17	Lab ID:	702338-01
Date Analyzed:	02/23/17	Data File:	022234.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	89	113
Toluene-d8	102	64	137
4-Bromofluorobenzene	100	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	I16-SSW-1:5.5	Client:	Environmental Partners
Date Received:	02/22/17	Project:	65112.3, F&BI 702338
Date Extracted:	02/22/17	Lab ID:	702338-02
Date Analyzed:	02/23/17	Data File:	022235.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	89	113
Toluene-d8	102	64	137
4-Bromofluorobenzene	99	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	K16-NSW-1:5.5	Client:	Environmental Partners
Date Received:	02/22/17	Project:	65112.3, F&BI 702338
Date Extracted:	02/22/17	Lab ID:	702338-03
Date Analyzed:	02/23/17	Data File:	022236.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	89	113
Toluene-d8	102	64	137
4-Bromofluorobenzene	99	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Environmental Partners
Date Received:	Not Applicable	Project:	65112.3, F&BI 702338
Date Extracted:	02/22/17	Lab ID:	07-0347 mb
Date Analyzed:	02/23/17	Data File:	022233.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	89	113
Toluene-d8	101	64	137
4-Bromofluorobenzene	97	81	119

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.05
Chloroethane	<0.5
1,1-Dichloroethene	<0.05
Methylene chloride	<0.5
trans-1,2-Dichloroethene	<0.05
1,1-Dichloroethane	<0.05
cis-1,2-Dichloroethene	<0.05
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.02
Tetrachloroethene	<0.025

Date of Report: 02/24/17
Date Received: 02/22/17
Project: 65112.3, F&BI 702338

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702276-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	120	108	73-135	11

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	116	74-139

Date of Report: 02/24/17
Date Received: 02/22/17
Project: 65112.3, F&BI 702338

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 702192-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	40	38	10-91	5
Chloroethane	mg/kg (ppm)	2.5	<0.5	53	51	10-101	4
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	62	58	11-103	7
Methylene chloride	mg/kg (ppm)	2.5	<0.5	89	88	14-128	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	78	76	13-112	3
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	77	77	23-115	0
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	82	82	25-120	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	75	76	22-124	1
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	73	72	27-112	1
Trichloroethene	mg/kg (ppm)	2.5	<0.02	77	77	30-112	0
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	68	68	25-114	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	62	42-107
Chloroethane	mg/kg (ppm)	2.5	71	47-115
1,1-Dichloroethene	mg/kg (ppm)	2.5	86	65-110
Methylene chloride	mg/kg (ppm)	2.5	111	50-127
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	101	71-113
1,1-Dichloroethane	mg/kg (ppm)	2.5	95	74-109
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	99	73-110
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	90	73-111
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	93	72-116
Trichloroethene	mg/kg (ppm)	2.5	93	72-107
Tetrachloroethene	mg/kg (ppm)	2.5	92	73-111

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.

702338

SAMPLE CHAIN OF CUSTODY

ME 02/22/17

VSI/C01

Page # 1 of

Report To Betsy Josh Eric Wing, Bernthal, Koltes

Company EPI

Address 1180 NW Maple St, Suite 310

City, State, ZIP Issaquah, WA 98027

Phone (425) 395-0040 Email betsyw@epi-wa.com joshb@epi-wa.com erickc@epi-wa.com

SAMPLERS (*signature*) Betsy Wing

PROJECT NAME 65112.3

PO # 65112.3

REMARKS Results by 10AM 2/23/17

INVOICE TO EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/23/17

Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
J16-B-1:6	01A-D	2/22/17	1044	Soil	4					X							8260-HVOCs
I16-SSW-1:5.5	02	2/22/17	1102	Soil	4					X							8260-HVOCs
K16-NSW-1:5.5	03	2/22/17	1208	Soil	4					X							8260-HVOCs
H18-Hyd-N-1:5.5	04	2/22/17	1230	soil	1		X										

Samples received at 4 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/22/17	1401
Received by:	VINH	FBI	2/23/17	1401
Relinquished by:				
Received by:				

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

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
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fbi@isomedia.com
www.friedmanandbruya.com

March 10, 2017

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

RE: 65112.3, F&BI 702366

Dear Mr Koltes:

Included is the amended report from the testing of material submitted on February 23, 2017 from the 65112.3, F&BI 702366 project. Per your request, sample ID C17-ESW-2-4.5 was updated to C17-ESW-1:4.5.

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, Josh Bernthal, Betsy Wing
EPI0227R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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fbi@isomedia.com
www.friedmanandbruya.com

February 27, 2017

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

RE: 65112.3, F&BI 702366

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 23, 2017 from the 65112.3, F&BI 702366 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, Josh Bernthal, Betsy Wing
EPI0227R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 23, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702366 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702366-01	H18-Hyd-N-2:6.5
702366-02	C17-ESW-1:4.5
702366-03	C16-SSW-1:3.5
702366-04	D15-ESW-1:2.5
702366-05	B15-ESW-1:2.5
702366-06	D16-B-1:5
702366-07	C14-B-1:5
702366-08	B14-SSW-1:3
702366-09	G12-WSW-1:3.5
702366-10	E12-WSW-1:3.5
702366-11	F13-B-1.5.5

All quality control requirements were acceptable.

Date of Report: 02/27/17
Date Received: 02/23/17
Project: 65112.3, F&BI 702366
Date Extracted: 02/23/17
Date Analyzed: 02/23/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
H18-Hyd-N-2:6.5 702366-01	<50	<250	100
C17-ESW-1:4.5 702366-02	<50	<250	96
C16-SSW-1:3.5 702366-03	340 x	4,200	102
D15-ESW-1:2.5 702366-04	370 x	4,600	100
B15-ESW-1:2.5 702366-05	360 x	4,100	100
D16-B-1:5 702366-06	<50	<250	90
C14-B-1:5 702366-07	<50	<250	99
B14-SSW-1:3 702366-08	420 x	4,200	103
G12-WSW-1:3.5 702366-09	240 x	2,900	102
E12-WSW-1:3.5 702366-10	470 x	5,000	96

Date of Report: 02/27/17
Date Received: 02/23/17
Project: 65112.3, F&BI 702366
Date Extracted: 02/23/17
Date Analyzed: 02/23/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
F13-B-1.5.5 702366-11	<50	<250	92
Method Blank 07-388 MB	<50	<250	100

Date of Report: 02/27/17
Date Received: 02/23/17
Project: 65112.3, F&BI 702366

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702357-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	10,000	124 b	233 b	73-135	61 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	96	74-139

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.

702306

SAMPLE CHAIN OF CUSTODY

ME 02/23/17 COC

Page # 1 of 2

Report To Betsy Wing, Josh Benstrat, Eric Kolko

Company EPI

Address 1180 NW Maple St, Suite 310

City, State, ZIP Issaquah, WA

Phone (425) 395-0040 Email betsy@epi-nw.com, josh@epi-nw.com, eric@epi-nw.com

SAMPLERS (signature): Betsy Wing

PROJECT NAME: 051123

PO #: 051123

REMARKS: Results by 10AM 2/24/17

INVOICE TO: EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/24/17
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID (DoBU 2/10/17 MC)	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
H18-Hyd-N-2:6.5	01	2/23/17	0855	Soil	1		X										
C17-ESW-1:4.5	02	2/23/17	0910	Soil	1		X										
C16-SSW-1:3.5	03	2/23/17	0945	Soil	1		X										
D15-ESW-1:2.5	04	2/23/17	1135	Soil	1		X										
B15-ESW-1:2.5	05	2/23/17	1127	Soil	1		X										
D16-B-1:5	06	2/23/17	1100	Soil	1		X										
C14-B-1:5	07	2/23/17	1115	Soil	1		X										
B14-SSW-1:3	08	2/23/17	1120	Soil	1		X										
G12-WSW-1:3.5	09	2/23/17	1353	Soil	1		X										
E12-WSW-1:3.5	10	2/23/17	1345	Soil	1		X										

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Betsy Wing	Betsy Wing	EPI	2/23/17	1410
Received by:		VINH	FBI	2/23/17	1416
Relinquished by:					
Received by:			Samples received at	4 °C	

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

702366 Betsy Josh Eric

SAMPLE CHAIN OF CUSTODY ME 02/23/17

COY

Report To Wing Bernival Kolles

Company EPI

Address 1180 NW Maple St, Suite 310

City, State, ZIP Issaquah, WA

Phone (425) 395-0040 Email betsy@epi-nw.com, josh@epi-nw.com, eric@epi-nw.com

SAMPLERS (signature) Betsy Wing

PROJECT NAME 65112.3

PO # 65112.3

REMARKS Results by 10AM 2/24/17

INVOICE TO EK

Page # 2 of 2

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/24/17

Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
F13 - B - 15.5	11	2/23/17	1338	Soil	1		X										
IDuplicate per BW 3/1/17 a.m.																	

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/23/17	1410
Received by:	VINH	FBI	2/23/17	1410
Relinquished by:				
Received by:		Samples received at 4 °C		

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

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 28, 2017

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

RE: 65112.3, F&BI 702390

Dear Ms Wing:

Included are the results from the testing of material submitted on February 24, 2017 from the 65112.3, F&BI 702390 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, Josh Bernthal, Eric Koltes
EPI0228R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 24, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702390 -01	A14-SSW-1:3
702390 -02	F11-WSW-1:3.5

All quality control requirements were acceptable.

Date of Report: 02/28/17
Date Received: 02/24/17
Project: 65112.3, F&BI 702390
Date Extracted: 02/24/17
Date Analyzed: 02/24/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 48-168)
A14-SSW-1:3 702390-01	<50	<250	104
F11-WSW-1:3.5 702390-02	<50	<250	90
Method Blank 07-394 MB	<50	<250	104

Date of Report: 02/28/17
Date Received: 02/24/17
Project: 65112.3, F&BI 702390

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702384-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	94	95	73-135	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	100	74-139

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.

702390 Betsy Josh Eric ME 2/24/17 C01

SAMPLE CHAIN OF CUSTODY

Page # 1 of 1

Report To Wing, Bernthal, Kolles

Company EPI

Address 1180 NW Maple St, Suite 310

City, State, ZIP Issaquah, WA

Phone (425) 395-0040 Email betsyw@epi-wa.com joshb@epi-wa.com erick@epi-wa.com

SAMPLERS (signature) Betsy Wing

PROJECT NAME 65112.3

PO # 65112.3

REMARKS Results by 10AM 2/27/17

INVOICE TO EK

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 2/27/17
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
						ANALYSES REQUESTED											
A14-SSW-1.3	01	2/24/17	1045	soil	1		X										
F11-WSW-1.35	02	2/24/17	1154	soil	1		X										

Samples received at 4 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	1330	2/24/17
Received by:	Nhan Phan	FCBI	2/24/17	1330
Relinquished by:				
Received by:				

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

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 7, 2017

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

RE: 65112.3, F&BI 702439

Dear Mr Koltes:

Included is the amended report from the testing of material submitted on February 28, 2017 from the 65112.3, F&BI 702439 project. Per your request, sample B16-B-1:5.5 has been amended to C16-B-1:5.5.

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, Betsy Wing, Josh Bernthal
EPI0303R.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.

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fbi@isomedia.com
www.friedmanandbruya.com

March 3, 2017

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

RE: 65112.3, F&BI 702439

Dear Mr Koltes:

Included are the results from the testing of material submitted on February 28, 2017 from the 65112.3, F&BI 702439 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, Betsy Wing, Josh Bernthal
EPI0303R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 28, 2017 by Friedman & Bruya, Inc. from the Environmental Partners 65112.3, F&BI 702439 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Environmental Partners
702439 -01	D18-ESW-1:3
702439 -02	B17-SSW-1:3.5
702439 -03	C16-B-1:5.5

All quality control requirements were acceptable.

Date of Report: 03/03/17
Date Received: 02/28/17
Project: 65112.3, F&BI 702439
Date Extracted: 03/01/17
Date Analyzed: 03/01/17

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
D18-ESW-1:3 702439-01	<50	<250	102
B17-SSW-1:3.5 702439-02	270 x	3,200	102
C16-B-1:5.5 702439-03	<50	<250	102
Method Blank 07-411 MB	<50	<250	119

Date of Report: 03/03/17
Date Received: 02/28/17
Project: 65112.3, F&BI 702439

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 702437-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	87	88	63-146	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	97	79-144

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.

702439

MG 2/28/17 C01

SAMPLE CHAIN OF CUSTODY

Page # 1 of 1

Report To Betsy Wing, Josh Beautrual, Eric Kaltes

Company Environmental Partners Inc

Address 1180 NW Maple St., Suite 310

City, State, ZIP Issaquah, WA

Phone (425) 395-6018 Email betsyw@epiwa.com, jbeautrual@epiwa.com, erick@epiwa.com

SAMPLERS (signature): Betsy Wing

PROJECT NAME: 65112.3

PO #: 65112.3

REMARKS: Results by 10AM 3/1/17

INVOICE TO:

TURNAROUND TIME
- ☐ Standard Turnaround
- ☒ RUSH Results by 10AM 3/1/17
- Rush charges authorized by: EK

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☒ Archive Samples
- ☐ Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM					Notes
D18-ESW-1.3	-01	2/28/17	1430	Soil	1		X										
B17-SSW-1:3.5	-02	2/28/17	1445	Soil	1		X										
C B16-B-1:5.5	-03	2/28/17	1500	Soil	1		X										
ID update per BW 3/1/17 MG																	

ANALYSES REQUESTED

Samples received at 2 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Betsy Wing	Betsy Wing	EPI	2/28/17	1610
Received by:	Matt Langstraat	FBI	2/28/17	1610
Relinquished by:				
Received by:				

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

Attachment G
MTCAStat Report for ORO

125 MTCAStat for ORO

125
125
125
125

	Number of samples		Uncensored values	
	Uncensored	37	Mean	325.68
	Censored		Lognormal mean	226.53
	Detection limit or PQL		Std. devn.	699.3421136
	Method detection limit		Median	125
	TOTAL	37	Min.	125
			Max.	3200

125
125
125
125
125

Lognormal distribution?		Normal distribution?	
r-squared is:	0.302	r-squared is:	0.303

125 Recommendations:
125 Reject lognormal distribution.
125 W value is 0.3165. This is less than the tabled value of 0.936
125 Reject normal distribution.
125 W value is 0.3229. This is less than the tabled value of 0.936
125
125
125
125 UCL (based on t-statistic) is 519.884917357242
125
125
125 UCL (based on Z-statistic) is 514.803
125
125
125
125
125
125
2000
2600
3200

Attachment H
Waste Disposal Documentation
Petroleum-Contaminated Soil

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946389	VOID-946388

WEIGHMASTER: Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/15/17 10:40 am	2/15/17 10:40 am

VEHICLE	CONTAINER
06 WEIWEST	

REFERENCE

BILL OF LADING

MANUAL IN GROSS WEIGHT 107,360 NET TONS 33.43
SCALE OUT TARE WEIGHT 40,500 NET WEIGHT 66,860

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
33.43	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01 | TICKET # 946389 | CELL VOID-946388

WEIGHMASTER Patrice G.

DATE/TIME IN 2/15/17 10:40 am | DATE/TIME OUT 2/15/17 10:40 am

VEHICLE 06 WEIWEST | CONTAINER

REFERENCE

BILL OF LADING

MANUAL IN GROSS WEIGHT 107,360 NET TONS 33.43
SCALE OUT TARE WEIGHT 40,500 NET WEIGHT 66,860

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
33.43	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946393	CELL
WEIGHMASTER	IN = [illegible] OUT = Patrice G.	
DATE/TIME IN	2/15/17 [illegible] am	DATE/TIME OUT 2/15/17 11:23 am
VEHICLE	130 [illegible]	CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 55,920 NET TONS 14.92
SCALE OUT TARE WEIGHT 26,080 NET WEIGHT 29,840

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.92	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE [signature]

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946401	CELL
WEIGHMASTER	IN = [illegible] OUT = Patrice G.	
DATE/TIME IN	2/15/17 [illegible] am	DATE/TIME OUT 2/15/17 11:59 am
VEHICLE	12[illegible]	CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 60,260 NET TONS 16.06
SCALE OUT TARE WEIGHT 28,140 NET WEIGHT 32,120

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
16.06	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE LAWRENCE

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946421	CELL
WEIGHMASTER		JAMIE B.
DATE/TIME IN		DATE/TIME OUT 5/17 1:37 pm
VEHICLE		CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 52,360 NET TONS 13.07
SCALE OUT TARE WEIGHT 26,220 NET WEIGHT 26,140

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.07	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946428	CELL
WEIGHMASTER		
DATE/TIME IN		DATE/TIME OUT 5/17 1:37 pm
VEHICLE		CONTAINER
REFERENCE		
BILL OF LADING		

SCALE IN GROSS WEIGHT 57,320 NET TONS 14.66
SCALE OUT TARE WEIGHT 28,000 NET WEIGHT 29,320

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.66	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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INVOICE

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946425	

WEIGHMASTER IN - Michelle H. OUT - Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/15/17 1:03 pm	2/15/17 2:04 pm

VEHICLE	CONTAINER
06 WEIWEST	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 104,480 NET TONS 31.95
SCALE OUT TARE WEIGHT 40,580 NET WEIGHT 63,900

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
31.95	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946425	

WEIGHMASTER IN - Michelle H. OUT - Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/15/17 1:03 pm	2/15/17 2:04 pm

VEHICLE	CONTAINER
06 WEIWEST	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 104,480 NET TONS 31.95
SCALE OUT TARE WEIGHT 40,580 NET WEIGHT 63,900

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
31.95	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946557	

WEIGHMASTER: IN - Patrice G. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 2:09 pm	2/20/17 2:16 pm

VEHICLE	CONTAINER
9 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 54,700 NET TONS 14.21 INBOUND
SCALE OUT TARE WEIGHT 26,280 NET WEIGHT 28,420 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.21	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946557	

WEIGHMASTER: IN - Patrice G. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 2:09 pm	2/20/17 2:16 pm

VEHICLE	CONTAINER
9 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 54,700 NET TONS 14.21 INBOUND
SCALE OUT TARE WEIGHT 26,280 NET WEIGHT 28,420 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.21	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946547	

WEIGHMASTER: IN - Michelle H. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 12:51 pm	2/20/17 12:59 pm

VEHICLE	CONTAINER
9 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 54,060 NET TONS 13.93
SCALE OUT TARE WEIGHT 26,200 NET WEIGHT 27,860

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.93	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946547	

WEIGHMASTER: IN - Michelle H. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 12:51 pm	2/20/17 12:59 pm

VEHICLE	CONTAINER
9 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 54,060 NET TONS 13.93
SCALE OUT TARE WEIGHT 26,200 NET WEIGHT 27,860

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.93	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946532	

WEIGHMASTER: IN - JAMIE B. OUT - Patrice G.
DATE/TIME IN: 2/20/17 11:09 am
DATE/TIME OUT: 2/20/17 11:43 am
VEHICLE: 9 KOLE
CONTAINER:
REFERENCE:
BILL OF LADING:

SCALE IN GROSS WEIGHT 51,100 NET TONS 13.62
SCALE OUT TARE WEIGHT 23,860 NET WEIGHT 27,240

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.62	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946532	

WEIGHMASTER: IN - JAMIE B. OUT - Patrice G.
DATE/TIME IN: 2/20/17 11:09 am
DATE/TIME OUT: 2/20/17 11:43 am
VEHICLE: 9 KOLE
CONTAINER:
REFERENCE:
BILL OF LADING:

SCALE IN GROSS WEIGHT 51,100 NET TONS 13.62
SCALE OUT TARE WEIGHT 23,860 NET WEIGHT 27,240

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.62	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946510	

WEIGHMASTER: IN - JAMIE B. OUT - Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/20/17 9:52 am	2/20/17 10:01 am

VEHICLE	CONTAINER
9 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 53,900 NET TONS 13.74 INBOUND
SCALE OUT TARE WEIGHT 26,420 NET WEIGHT 27,480 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.74	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946510	

WEIGHMASTER: IN - JAMIE B. OUT - Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/20/17 9:52 am	2/20/17 10:01 am

VEHICLE	CONTAINER
9 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 53,900 NET TONS 13.74 INBOUND
SCALE OUT TARE WEIGHT 26,420 NET WEIGHT 27,480 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.74	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946486	

WEIGHMASTER: JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 8:28 am	2/20/17 8:33 am

VEHICLE	CONTAINER
9 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 52,300 NET TONS 13.15
SCALE OUT TARE WEIGHT 26,000 NET WEIGHT 26,300

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.15	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946486	

WEIGHMASTER: JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 8:28 am	2/20/17 8:33 am

VEHICLE	CONTAINER
9 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 52,300 NET TONS 13.15
SCALE OUT TARE WEIGHT 26,000 NET WEIGHT 26,300

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.15	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946536	

WEIGHMASTER: Michelle H.

DATE/TIME IN	DATE/TIME OUT
2/20/17 11:27 am	2/20/17 11:53 am

VEHICLE	CONTAINER
12 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 50,140 NET TONS 11.02
SCALE OUT TARE WEIGHT 28,100 NET WEIGHT 22,040

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.02	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946536	

WEIGHMASTER: Michelle H.

DATE/TIME IN	DATE/TIME OUT
2/20/17 11:27 am	2/20/17 11:53 am

VEHICLE	CONTAINER
12 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 50,140 NET TONS 11.02
SCALE OUT TARE WEIGHT 28,100 NET WEIGHT 22,040

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.02	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946548	

WEIGHMASTER: IN - Michelle H. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 12:58 pm	2/20/17 1:04 pm

VEHICLE	CONTAINER
12 KOLE	

REFERENCE

BILL OF LADING

SCALE IN	GROSS WEIGHT	52,620	NET TONS 12.21	INBOUND
SCALE OUT	TARE WEIGHT	28,200	NET WEIGHT 24,420	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.21	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946548	

WEIGHMASTER: IN - Michelle H. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 12:58 pm	2/20/17 1:04 pm

VEHICLE	CONTAINER
12 KOLE	

REFERENCE

BILL OF LADING

SCALE IN	GROSS WEIGHT	52,620	NET TONS 12.21	INBOUND
SCALE OUT	TARE WEIGHT	28,200	NET WEIGHT 24,420	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.21	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946512	

WEIGHMASTER IN - JAMIE B. OUT - Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/20/17 9:57 am	2/20/17 10:09 am

VEHICLE	CONTAINER
12 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 53,500 NET TONS 12.83
SCALE OUT TARE WEIGHT 27,840 NET WEIGHT 25,660

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.83	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946512	

WEIGHMASTER IN - JAMIE B. OUT - Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/20/17 9:57 am	2/20/17 10:09 am

VEHICLE	CONTAINER
12 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 53,500 NET TONS 12.83
SCALE OUT TARE WEIGHT 27,840 NET WEIGHT 25,660

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.83	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946489	

WEIGHMASTER: IN - JAMIE B. OUT - Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/20/17 8:30 am	2/20/17 8:49 am

VEHICLE	CONTAINER
12 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 52,380 NET TONS 12.33
SCALE OUT TARE WEIGHT 27,720 NET WEIGHT 24,660

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.33	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946489	

WEIGHMASTER: IN - JAMIE B. OUT - Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/20/17 8:30 am	2/20/17 8:49 am

VEHICLE	CONTAINER
12 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 52,380 NET TONS 12.33
SCALE OUT TARE WEIGHT 27,720 NET WEIGHT 24,660

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.33	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946558	

WEIGHMASTER: IN - Patrice G. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 2:21 pm	2/20/17 2:26 pm

VEHICLE	CONTAINER
12 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 57,580 NET TONS 14.72
SCALE OUT TARE WEIGHT 28,140 NET WEIGHT 29,440

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.72	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946558	

WEIGHMASTER: IN - Patrice G. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 2:21 pm	2/20/17 2:26 pm

VEHICLE	CONTAINER
12 KOLE	

REFERENCE

BILL OF LADING

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SCALE OUT TARE WEIGHT 28,140 NET WEIGHT 29,440

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.72	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

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SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946555	

WEIGHMASTER: IN - Patrice G. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 2:07 pm	2/20/17 2:12 pm

VEHICLE	CONTAINER
120 NYS	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 60,580 NET TONS 14.48
SCALE OUT TARE WEIGHT 31,620 NET WEIGHT 28,960

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.48	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946555	

WEIGHMASTER: IN - Patrice G. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 2:07 pm	2/20/17 2:12 pm

VEHICLE	CONTAINER
120 NYS	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 60,580 NET TONS 14.48
SCALE OUT TARE WEIGHT 31,620 NET WEIGHT 28,960

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.48	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
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CHECK#

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SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946562	

WEIGHMASTER: IN - Patrice G. OUT - Michelle H.

DATE/TIME IN	DATE/TIME OUT
2/20/17 3:25 pm	2/20/17 3:29 pm

VEHICLE	CONTAINER
120 NYS	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 58,160 NET TONS 13.24
SCALE OUT TARE WEIGHT 31,680 NET WEIGHT 26,480

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.24	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

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REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946562	

WEIGHMASTER: IN - Patrice G. OUT - Michelle H.

DATE/TIME IN	DATE/TIME OUT
2/20/17 3:25 pm	2/20/17 3:29 pm

VEHICLE	CONTAINER
120 NYS	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 58,160 NET TONS 13.24
SCALE OUT TARE WEIGHT 31,680 NET WEIGHT 26,480

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.24	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT

TENDERED

CHANGE

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SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946546	

WEIGHMASTER: IN - Michelle H. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 12:47 pm	2/20/17 12:57 pm

VEHICLE	CONTAINER
120 NYS	

REFERENCE

BILL OF LADING

SCALE IN	GROSS WEIGHT	59,440	NET TONS	13.88
SCALE OUT	TARE WEIGHT	31,680	NET WEIGHT	27,760

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.88	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
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Contract:LW-17020

SITE	TICKET #	CELL
01	946546	

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DATE/TIME IN	DATE/TIME OUT
2/20/17 12:47 pm	2/20/17 12:57 pm

VEHICLE	CONTAINER
120 NYS	

REFERENCE

BILL OF LADING

SCALE IN	GROSS WEIGHT	59,440	NET TONS	13.88
SCALE OUT	TARE WEIGHT	31,680	NET WEIGHT	27,760

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.88	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

REPRINT

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946531	

WEIGHMASTER: IN - JAMIE B. OUT - Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/20/17 11:06 am	2/20/17 11:39 am

VEHICLE	CONTAINER
120 NYS	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 53,820 NET TONS 11.04
SCALE OUT TARE WEIGHT 31,740 NET WEIGHT 22,080

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.04	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

REPRINT

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946531	

WEIGHMASTER: IN - JAMIE B. OUT - Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/20/17 11:06 am	2/20/17 11:39 am

VEHICLE	CONTAINER
120 NYS	

REFERENCE

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SCALE IN GROSS WEIGHT 53,820 NET TONS 11.04
SCALE OUT TARE WEIGHT 31,740 NET WEIGHT 22,080

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.04	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946509	

WEIGHMASTER: IN - JAMIE B. OUT - Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/20/17 9:45 am	2/20/17 9:59 am

VEHICLE	CONTAINER
120 NYS	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 56,980 NET TONS 12.86
SCALE OUT TARE WEIGHT 31,260 NET WEIGHT 25,720

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.86	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946509	

WEIGHMASTER: IN - JAMIE B. OUT - Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/20/17 9:45 am	2/20/17 9:59 am

VEHICLE	CONTAINER
120 NYS	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 56,980 NET TONS 12.86
SCALE OUT TARE WEIGHT 31,260 NET WEIGHT 25,720

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.86	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946556	

WEIGHMASTER: IN Michelle H. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 1:38 pm	2/20/17 2:12 pm

VEHICLE	CONTAINER
06 WELWEST	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 103,000 NET TONS 31.28
SCALE OUT TARE WEIGHT 40,440 NET WEIGHT 62,560

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
31.28	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

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SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946556	

WEIGHMASTER: IN - Michelle H. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 1:38 pm	2/20/17 2:12 pm

VEHICLE	CONTAINER
06 WELWEST	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 103,000 NET TONS 31.28
SCALE OUT TARE WEIGHT 40,440 NET WEIGHT 62,560

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
31.28	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946535	

WEIGHMASTER: IN - JAMIE B. OUT - Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/20/17 10:55 am	2/20/17 11:51 am

VEHICLE	CONTAINER
06 WELWEST	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 109,200 NET TONS 34.46
SCALE OUT TARE WEIGHT 40,280 NET WEIGHT 68,920

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
34.46	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946535	

WEIGHMASTER: IN - JAMIE B. OUT - Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/20/17 10:55 am	2/20/17 11:51 am

VEHICLE	CONTAINER
06 WELWEST	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 109,200 NET TONS 34.46
SCALE OUT TARE WEIGHT 40,280 NET WEIGHT 68,920

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
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NET AMOUNT
TENDERED
CHANGE
CHECK#

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SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946495	

WEIGHMASTER: IN - JAMIE B. OUT - Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/20/17 8:25 am	2/20/17 9:12 am

VEHICLE	CONTAINER
06 WELWEST	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 99,460 NET TONS 29.58
SCALE OUT TARE WEIGHT 40,300 NET WEIGHT 59,160

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
29.58	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01 TICKET # 946495 CELL
WEIGHMASTER IN - JAMIE B. OUT - Patrice G.
DATE/TIME IN 2/20/17 8:25 am DATE/TIME OUT 2/20/17 9:12 am
VEHICLE 06 WELWEST CONTAINER
REFERENCE
BILL OF LADING

SCALE IN GROSS WEIGHT 99,460 NET TONS 29.58
SCALE OUT TARE WEIGHT 40,300 NET WEIGHT 59,160

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
29.58	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE _____

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946486	CELL	
WEIGHMASTER	JAMIE B.		
DATE/TIME IN	2/20/17 8:28 am	DATE/TIME OUT	2/20/17 8:33 am
VEHICLE	9 POLE	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN GROSS WEIGHT 52,300 NET TONS 13.15
SCALE OUT TARE WEIGHT 26,000 NET WEIGHT 26,300

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.15	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%	—			

Inv · 50466

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946489	CELL	
WEIGHMASTER	IN - JAMIE B. OUT - Patrice G.		
DATE/TIME IN	2/20/17 8:30 am	DATE/TIME OUT	2/20/17 8:49 am
VEHICLE	12 ROLL	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	52,380	NET TONS 12.33	INBOUND
SCALE OUT	TARE WEIGHT	27,720	NET WEIGHT 24,660	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.33	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946495	

WEIGHMASTER

DATE/TIME IN IN JAMIE K.

2/20/17 8:25 am

VEHICLE 06 WELWEST

DATE/TIME OUT OUT - Patrice G.

2/20/17 9:12 am

CONTAINER

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 99,460 NET TONS 29.58 INBOUND
SCALE OUT TARE WEIGHT 40,300 NET WEIGHT 59,160 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
29.58	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE _____

RS-F042UPR (07/12)

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946509	

WEIGHMASTER Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/28/17 9:45 am	2/28/17 9:59 am

VEHICLE 120 [illegible]

CONTAINER

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 56,980 NET TONS 12.86 INBOUND
SCALE OUT TARE WEIGHT 31,260 NET WEIGHT 25,720 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.86	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE

RS-F042UPR (07/12)

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946510	

WEIGHMASTER

DATE/TIME IN IN - JAMIE L. OUT Patrice G.

VEHICLE 2/20/17 9:52 am CONTAINER 2/20/17 10:01 am

REFERENCE 9 KOLE

BILL OF LADING

SCALE IN GROSS WEIGHT 53,900 NET TONS 13.74 INBOUND
SCALE OUT TARE WEIGHT 26,420 NET WEIGHT 27,480 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.74	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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SIGNATURE

RS-F042UPR (07/12)

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946512	

WEIGHMASTER

DATE/TIME IN IN JAMIE B. 2/20/17 9:57 am

DATE/TIME OUT OUT Patrice G. 2/20/17 10:09 am

VEHICLE 12 KGLE

CONTAINER

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 53,500 NET TONS 12.83 INBOUND
SCALE OUT TARE WEIGHT 27,840 NET WEIGHT 25,660 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.83	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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SIGNATURE _____

RS-F042UPR (07/12)

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946531	

WEIGHMASTER

DATE/TIME IN	DATE/TIME OUT
IN JAMIE G. 2/20/17 11:06 am	OUT Patrice G. 2/20/17 11:39 am

VEHICLE 120 WSS

CONTAINER

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 53,820 NET TONS 11.04 INBOUND
SCALE OUT TARE WEIGHT 31,740 NET WEIGHT 22,080 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.04	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946532	

WEIGHMASTER

DATE/TIME IN IN - JAMIE T. **DATE/TIME OUT** OUT - Patrice G.
2/20/17 11:09 am 2/20/17 11:43 am

VEHICLE 9 KOLE **CONTAINER**

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 51,100 NET TONS 13.62 INBOUND
SCALE OUT TARE WEIGHT 23,860 NET WEIGHT 27,240 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.62	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946535	

WEIGHMASTER

DATE/TIME IN	DATE/TIME OUT
IN - JAMIE B. 2/20/17 10:55 am	OUT - Patrice G. 2/20/17 11:51 am

VEHICLE	CONTAINER
06 WELWEST	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 109,200 NET TONS 34.46 INBOUND
SCALE OUT TARE WEIGHT 40,280 NET WEIGHT 68,920 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
34.46	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

SAFETY LIVE

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

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SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946536	CELL	
WEIGHMASTER	Michelle H.		
DATE/TIME IN	2/20/17 11:27 am	DATE/TIME OUT	2/20/17 11:53 am
VEHICLE	12 KOLE	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	50,140	NET TONS 11.02	INBOUND
SCALE OUT	TARE WEIGHT	28,100	NET WEIGHT 22,040	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.02	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946543	

WEIGHMASTER

DATE/TIME IN IN Patrice G.

DATE/TIME OUT 2/20/17 12:34 pm

VEHICLE 130 WYS

CONTAINER

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 53,300 NET TONS 12.51 INBOUND
SCALE OUT TARE WEIGHT 28,280 NET WEIGHT 25,020 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.51	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE Lawrence

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946546	

WEIGHMASTER IN - Michelle H. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
3/20/17 12:47 pm	3/20/17 12:57 pm

VEHICLE	CONTAINER
120 NYS	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 59,440 NET TONS 13.88 INBOUND
SCALE OUT TARE WEIGHT 31,680 NET WEIGHT 27,760 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.88	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

SAFETY LIVE
It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946547	CELL	
WEIGHMASTER	IN - Michelle H. OUT - JAMIE B.		
DATE/TIME IN	2/20/17 12:51 pm	DATE/TIME OUT	2/20/17 12:59 pm
VEHICLE	9 POLE	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN GROSS WEIGHT 54,060 NET TONS 13.93 INBOUND
SCALE OUT TARE WEIGHT 26,200 NET WEIGHT 27,860 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.93	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

SAFETY
LIVE
It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946548	CELL	
WEIGHMASTER	IN - Michelle H. OUT - JAMIE B.		
DATE/TIME IN	2/20/17 12:56 pm	DATE/TIME OUT	2720/17 1:04 pm
VEHICLE	12 KOLB	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN GROSS WEIGHT 52,620 NET TONS 12.21
SCALE OUT TARE WEIGHT 28,200 NET WEIGHT 24,420

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.21	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

REPRINT

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946553	

WEIGHMASTER: IN - Michelle P. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 1:45 pm	2/20/17 2:00 pm

VEHICLE	CONTAINER
130 DYS	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 54,820 NET TONS 13.19 INBOUND
SCALE OUT TARE WEIGHT 28,440 NET WEIGHT 26,380 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.19	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946555	

WEIGHMASTER: IN - Patrice G. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 2:07 pm	2/20/17 2:12 pm

VEHICLE	CONTAINER
120 YYG	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 60,580 NET TONS 14.48 INBOUND
SCALE OUT TARE WEIGHT 31,620 NET WEIGHT 28,960 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.48	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE

RS-F042UPR (07/12)

SITE **REGIONAL DISPOSAL INTERMODAL --**
3rd and lander -Seattle, WA

REPRINT

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946556	CELL	
WEIGHMASTER	IN - Michelle H. OUT - JAMIE B.		
DATE/TIME IN	2/20/17 1:38 pm	DATE/TIME OUT	2/20/17 2:12 pm
VEHICLE	06 WELWEST	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN GROSS WEIGHT 103,000 NET TONS 31.28
SCALE OUT TARE WEIGHT 40,440 NET WEIGHT 62,560

INBOUND
INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
31.28	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946557	CELL	
WEIGHMASTER	IN - Patricia G. OUT - JAMIE B.		
DATE/TIME IN	2/20/17 2:09 pm	DATE/TIME OUT	2/20/17 2:16 pm
VEHICLE	9 KOLE	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	54,700	NET TONS 14.21	INBOUND
SCALE OUT	TARE WEIGHT	26,280	NET WEIGHT 28,420	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.21	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE _____

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946558	

WEIGHMASTER: IN - Patrick G. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/20/17 2:21 pm	2/20/17 2:26 pm

VEHICLE	CONTAINER
12 RAIL	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 57,580 NET TONS 14.72 INBOUND
SCALE OUT TARE WEIGHT 28,140 NET WEIGHT 29,440 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.72	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946561	CELL	
WEIGHMASTER	IN - Patrice G. OUT - Michelle H.		
DATE/TIME IN	2/20/17 3:15 pm	DATE/TIME OUT	2/20/17 3:23 pm
VEHICLE	130 NYS	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN GROSS WEIGHT 54,600 NET TONS 13.16 INBOUND
SCALE OUT TARE WEIGHT 28,280 NET WEIGHT 26,320 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.16	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT	
TENDERED	
CHANGE	
CHECK#	

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SIGNATURE LAWRENCE

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946562	CELL	
WEIGHMASTER	IN - Patrice G. OUT - Michelle H.		
DATE/TIME IN	2/20/17 3:29 pm	DATE/TIME OUT	2/20/17 3:29 pm
VEHICLE	120 NYS	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN GROSS WEIGHT 58,160 NET TONS 13.24 INBOUND
SCALE OUT TARE WEIGHT 31,680 NET WEIGHT 26,480 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.24	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
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SIGNATURE _____

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946563	CELL	
WEIGHMASTER	IN - Patrice G. OUT - Michelle H.		
DATE/TIME IN	2/20/17 3:43 pm	DATE/TIME OUT	2/20/17 3:47 pm
VEHICLE	9 KYLE	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	54,380	NET TONS 14.26	INBOUND
SCALE OUT	TARE WEIGHT	25,860	NET WEIGHT 28,520	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.26	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946565	CELL	
WEIGHMASTER	IN - Patrice G. OUT - Michelle H.		
DATE/TIME IN 2/20/17 4:09 pm		DATE/TIME OUT 2/20/17 4:35 pm	
VEHICLE 12 FOLE		CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	55,300	NET TONS 14.39	INBOUND
SCALE OUT	TARE WEIGHT	26,520	NET WEIGHT 28,780	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.39	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE _____

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946566	CELL	
WEIGHMASTER	IN - Patrice G. OUT - Michelle H.		
DATE/TIME IN	2/20/17 4:02 pm	DATE/TIME OUT	2/20/17 4:36 pm
VEHICLE	06 WELWEST	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	105,820	NET TONS 32.91	INBOUND
SCALE OUT	TARE WEIGHT	40,000	NET WEIGHT 65,820	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
32.91	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946577	

WEIGHMASTER: JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/21/17 8:33 am	2/21/17 8:37 am

VEHICLE	CONTAINER
12 KOLF	

REFERENCE

BILL OF LADING

SCALE IN	GROSS WEIGHT	50,920	NET TONS 12.10	INBOUND
SCALE OUT	TARE WEIGHT	26,720	NET WEIGHT 24,200	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.10	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

SIGNATURE

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946578	CELL	
WEIGHMASTER	IN - Kim L. OUT - JAMIE B.		
DATE/TIME IN	2/21/17 8:35 am	DATE/TIME OUT	2/21/17 8:40 am
VEHICLE	120 NYS	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN GROSS WEIGHT 54,560 NET TONS 11.45 INBOUND
SCALE OUT TARE WEIGHT 31,660 NET WEIGHT 22,900 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.45	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946580	CELL	
WEIGHMASTER	IN - Kim L. OUT - JAMIE B.		
DATE/TIME IN	2/21/17 8:49 am	DATE/TIME OUT	2/21/17 9:00 am
VEHICLE	9 KOLE	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN GROSS WEIGHT 54,240 NET TONS 14.09 INBOUND
SCALE OUT TARE WEIGHT 26,060 NET WEIGHT 28,180 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.09	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE _____

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946585	

WEIGHMASTER: IN - Patrice G. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/21/17 9:45 am	2/21/17 9:49 am

VEHICLE	CONTAINER
12 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 50,900 NET TONS 12.09 INBOUND
SCALE OUT TARE WEIGHT 26,720 NET WEIGHT 24,180 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.09	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

SAFETY LIVE
It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946587	

WEIGHMASTER: IN - Patrice G. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/21/17 10:18 am	2/21/17 10:30 am

VEHICLE	CONTAINER
9 KOLE	

REFERENCE

BILL OF LADING

SCALE IN	GROSS WEIGHT	52,860	NET TONS 13.42	INBOUND
SCALE OUT	TARE WEIGHT	26,020	NET WEIGHT 26,840	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.42	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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SIGNATURE

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER
333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946594	

WEIGHMASTER: Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/21/17 10:53 am	2/21/17 11:07 am

VEHICLE	CONTAINER
12 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 50,060 NET TONS 11.72 INBOUND
SCALE OUT TARE WEIGHT 26,620 NET WEIGHT 23,440 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.72	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

SAFETY

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE RV

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946600	CELL	
WEIGHMASTER	IN - Patrice G. OUT - Michelle H.		
DATE/TIME IN	2/21/17 10:16 am	DATE/TIME OUT	2/21/17 2:14 pm
VEHICLE	120 NYS	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	55,520	NET TONS 11.95	INBOUND
SCALE OUT	TARE WEIGHT	31,620	NET WEIGHT 23,900	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.95	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE LAWRENCE

RS-F042UPR (07/12)

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946635	

WEIGHMASTER

DATE/TIME IN	DATE/TIME OUT
IN JAMIE B. 2/22/17 10:51 am	OUT Patrice G. 2/22/17 11:10 am

VEHICLE	CONTAINER
130 NYS	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 49,960 NET TONS 10.77 INBOUND
SCALE OUT TARE WEIGHT 28,420 NET WEIGHT 21,540 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
10.77	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

SAFETY
It's the right thing!

NET AMOUNT

TENDERED

CHANGE

CHECK#

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SIGNATURE

RS-F042UPR (07/12)

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946646	

WEIGHMASTER

DATE/TIME IN	DATE/TIME OUT
IN - JAMIE B. 2/22/17 12:18 pm	OUT - Patrice G. 2/22/17 12:26 pm

VEHICLE	CONTAINER
120 NYS	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 57,360 NET TONS 13.01 INBOUND
SCALE OUT TARE WEIGHT 31,340 NET WEIGHT 26,020 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
13.01	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT

TENDERED

CHANGE

CHECK#

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RS-F042UPR (07/12)

SIGNATURE LAWRENCE

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946648	

WEIGHMASTER

IN - JAMIE S. OUT - Patrice G.

DATE/TIME IN	DATE/TIME OUT
2/22/17 12:26 pm	2/22/17 12:38 pm

VEHICLE 130 NYS

CONTAINER

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 51,560 NET TONS 11.61 INBOUND
SCALE OUT TARE WEIGHT 28,340 NET WEIGHT 23,220 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.61	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

SAFETY LIVE
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NET AMOUNT

TENDERED

CHANGE

CHECK#

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SIGNATURE

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946666	CELL	
WEIGHMASTER	IN - Michelle H. OUT - Patrice G.		
DATE/TIME IN	2/22/17 1:48 pm	DATE/TIME OUT	2/22/17 2:01 pm
VEHICLE	120 NYS	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	53,700	NET TONS 11.13	INBOUND
SCALE OUT	TARE WEIGHT	31,440	NET WEIGHT 22,260	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.13	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

SAFETY LIVE
It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE Landon

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946669	CELL	
WEIGHMASTER	IN - Michelle H. OUT - Patrice G.		
DATE/TIME IN	2/22/17 2:04 pm	DATE/TIME OUT	2/22/17 2:13 pm
VEHICLE	130 NYS	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	51,620	NET TONS 11.56	INBOUND
SCALE OUT	TARE WEIGHT	28,500	NET WEIGHT 23,120	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
11.56	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

SAFETY LIVE
It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946685	

WEIGHMASTER: IN - Kim L. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/23/17 8:26 am	2/23/17 8:37 am

VEHICLE: M31 MIKELO
CONTAINER:
REFERENCE:
BILL OF LADING:

SCALE IN GROSS WEIGHT 58,300 NET TONS 14.73 INBOUND
SCALE OUT TARE WEIGHT 28,840 NET WEIGHT 29,460 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.73	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

SAFETY
It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946689	CELL	
WEIGHMASTER	IN - Kim L. OUT - JAMIE B.		
DATE/TIME IN	2/23/17 8:42 am	DATE/TIME OUT	2/23/17 8:52 am
VEHICLE	12 KOLE	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN GROSS WEIGHT 52,040 NET TONS 12.71 INBOUND
SCALE OUT TARE WEIGHT 26,620 NET WEIGHT 25,420 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.71	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

SAFETY TIME
It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946693	

WEIGHMASTER: IN - Patrice G. OUT - JAMIE B.

DATE/TIME IN	DATE/TIME OUT
2/23/17 9:13 am	2/23/17 9:21 am

VEHICLE: 130 NYS
CONTAINER:
REFERENCE:
BILL OF LADING:

SCALE IN GROSS WEIGHT 53,640 NET TONS 12.46 INBOUND
SCALE OUT TARE WEIGHT 28,720 NET WEIGHT 24,920 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
12.46	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE

RS-F042UPR (07/12)

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946695	CELL	
WEIGHMASTER	IN - Kim L. OUT - JAMIE B.		
DATE/TIME IN	2/23/17 8:47 am	DATE/TIME OUT	2/23/17 9:45 am
VEHICLE	120 NYS	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	60,260	NET TONS 14.35	INBOUND
SCALE OUT	TARE WEIGHT	31,560	NET WEIGHT 28,700	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
14.35	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

SAFETY LIVE
It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK#

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RS-F042UPR (07/12)

SIGNATURE Lander

SITE
REGIONAL DISPOSAL INTERMODAL --
3rd and lander -Seattle, WA

CUSTOMER 333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE 01	TICKET # 946696	CELL	
WEIGHMASTER	IN - Patrice G. OUT - JAMIE B.		
DATE/TIME IN	2/23/17 9:46 am	DATE/TIME OUT	2/23/17 9:50 am
VEHICLE	M3J MIKELO	CONTAINER	
REFERENCE			
BILL OF LADING			

SCALE IN	GROSS WEIGHT	61,080	NET TONS 16.16	INBOUND
SCALE OUT	TARE WEIGHT	28,760	NET WEIGHT 32,320	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
16.16	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

SAFETY FIRST
It's the Right Thing!

NET AMOUNT
TENDERED
CHANGE
CHECK#

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SIGNATURE _____

RS-F042UPR (07/12)

SITE

REGIONAL DISPOSAL INTERMODAL --
3rd and lander Seattle, WA

CUSTOMER

333438
JBK Ventures LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17020

SITE	TICKET #	CELL
01	946697	

WEIGHMASTER

IN - Patrice G. OUT - Kim L.

DATE/TIME IN	DATE/TIME OUT
2/23/17 9:55 am	2/23/17 9:59 am

VEHICLE	CONTAINER
12 KOLE	

REFERENCE

BILL OF LADING

SCALE IN GROSS WEIGHT 36,620 NET TONS 5.01 INBOUND
SCALE OUT TARE WEIGHT 26,600 NET WEIGHT 10,020 INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
0.00	YD	Tracking QTY				
5.01	tn	SW-CONT SOIL W/FUEL Origin:KENT/KING 100%				

SAFETY ONE
It's the Right Thing!

NET AMOUNT

TENDERED

CHANGE

CHECK#

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SIGNATURE _____

RS-F042UPR (07/12)

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133721

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/15/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS120
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/15/2017 15:22:19	SCALE 1	lmercer	
Out	02/15/2017 15:31:51	SCALE 1	lmercer	

Gross	59460 lb
Tare	28520 lb
Net	30940 lb
Tons	15.47

Comments NYS - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	15.47	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	15.47	Tons				KING
3	GONDOLA T-GONDOLA TON	100	15.47	Tons				KING

Total Tax
Total Ticket

Driver's Signature LAWRENCE

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133722

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/15/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS130
Container
Driver MIKE DARWIN
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/15/2017 15:29:00	SCALE 1	lmercer	
Out	02/15/2017 15:39:58	SCALE 1	lmercer	

Gross	57200 lb
Tare	26120 lb
Net	31080 lb
Tons	15.54

Comments NYS - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	15.54	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	15.54	Tons				KING
3	GONDOLA T-GONDOLA TON	100	15.54	Tons				KING

Total Tax
Total Ticket

Dr 203 WM's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133730

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/16/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# W06S
Container
Driver GLEN NELSON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/16/2017 08:43:41	SCALE 1	lmercer	
Out	02/16/2017 09:07:20	SCALE 1	lmercer	

Gross	104040 lb
Tare	40860 lb
Net	63180 lb
Tons	31.59

Comments WELWEST - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	31.59	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	31.59	Tons				KING
3	GONDOLA T-GONDOLA TON	100	31.59	Tons				KING

Total Tax
Total Ticket

Dr 203 WM s Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133731

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/16/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# M31
Container
Driver JOE LYON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/16/2017 08:46:33	SCALE 1	lmercer	
Out	02/16/2017 08:56:55	SCALE 1	lmercer	

Gross	60100 lb
Tare	29080 lb
Net	31020 lb
Tons	15.51

Comments MICKELO - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	15.51	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	15.51	Tons				KING
3	GONDOLA T-GONDOLA TON	100	15.51	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133733

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/16/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS130
Container
Driver MICHAEL DARWIN
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/16/2017 09:03:21	SCALE 1	lmercer	
Out	02/16/2017 09:03:21		lmercer	

Gross	48120 lb
Tare	26120 lb
Net	22000 lb
Tons	11.00

Comments NYS - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	11.00	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	11.00	Tons				
3	GONDOLA T-GONDOLA TON	100	11.00	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133734

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/16/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K035
Container
Driver JOHN CLAWSON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/16/2017 09:16:46	SCALE 1	lmercer	
Out	02/16/2017 09:33:22	SCALE 1	lmercer	

Gross	58060 lb
Tare	26620 lb
Net	31440 lb
Tons	15.72

Comments KELLEY - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	15.72	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	15.72	Tons				
3	GONDOLA T-GONDOLA TON	100	15.72	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133738

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/16/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS120
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/16/2017 09:36:20	SCALE 1	lmercer	
Out	02/16/2017 09:36:20		lmercer	

Gross	59100 lb
Tare	28520 lb
Net	30580 lb
Tons	15.29

Comments NYS - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	15.29	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	15.29	Tons				
3	GONDOLA T-GONDOLA TON	100	15.29	Tons				

Total Tax
Total Ticket

Driver's Signature LAWRENCE

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133739

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/16/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# M31
Container
Driver JOE LYON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/16/2017 10:18:59	SCALE 1	lmercer	
Out	02/16/2017 10:35:13	SCALE 1	lmercer	

Gross	56440 lb
Tare	28860 lb
Net	27580 lb
Tons	13.79

Comments MICKELO - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	13.79	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	13.79	Tons				
3	GONDOLA T-GONDOLA TON	100	13.79	Tons				

Total Tax
Total Ticket

Dr 203 WM s Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 133741

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/16/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS130
Container
Driver MICHAEL DARWIN
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/16/2017 10:44:40	SCALE 1	lmercer	
Out	02/16/2017 10:44:40		lmercer	

Gross	50040 lb
Tare	26120 lb
Net	23920 lb
Tons	11.96

Comments NYS - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	11.96	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	11.96	Tons				
3	GONDOLA T-GONDOLA TON	100	11.96	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133744

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/16/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# W06
Container
Driver GLEN NELSON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator
In	02/16/2017 10:56:15	SCALE 1	lmercer
Out	02/16/2017 10:56:15		lmercer

Inbound

Gross	102980 lb
Tare	40860 lb
Net	62120 lb
Tons	31.06

Comments WELWEST - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	31.06	Tons				
2	FEA-FUEL,ENV,ADMIN	100	31.06	Tons				KING
3	GONDOLA T-GONDOLA TON	100	31.06	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133747

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/16/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K03S
Container
Driver JOHN CLAWSON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/16/2017 11:12:20	SCALE 1	lmercer	
Out	02/16/2017 11:12:20		lmercer	

Gross	67900 lb
Tare	26620 lb
Net	41280 lb
Tons	20.64

Comments KELLEY - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	20.64	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	20.64	Tons				KING
3	GONDOLA T-GONDOLA TON	100	20.64	Tons				KING

Total Tax
Total Ticket

Dr 203 WM s Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133749

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/16/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS120
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/16/2017 11:35:04	SCALE 1	lmercer	
Out	02/16/2017 11:35:04		lmercer	

Gross	64940 lb
Tare	28520 lb
Net	36420 lb
Tons	18.21

Comments NYS - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	18.21	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	18.21	Tons				
3	GONDOLA T-GONDOLA TON	100	18.21	Tons				

Total Tax
Total Ticket

Dr 203 WM s Signature LAWRENCE

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133750

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/16/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# M31
Container
Driver JOE LYON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/16/2017 11:49:40	SCALE 1	lmercer	
Out	02/16/2017 11:49:40		lmercer	

Gross	61080 lb
Tare	28860 lb
Net	32220 lb
Tons	16.11

Comments MICKELO - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	16.11	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	16.11	Tons				
3	GONDOLA T-GONDOLA TON	100	16.11	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 5 Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133751

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/16/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K03S
Container
Driver JOHN CLAWSON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/16/2017 12:54:44	SCALE 1	lmercer	
Out	02/16/2017 12:54:44		lmercer	

Gross	56900 lb
Tare	26620 lb
Net	30280 lb
Tons	15.14

Comments KELLEY - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	15.14	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	15.14	Tons				
3	GONDOLA T-GONDOLA TON	100	15.14	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133752

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/16/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# W06
Container
Driver GLEN NELSON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/16/2017 13:08:41	SCALE 1	lmercer	
Out	02/16/2017 13:08:41		lmercer	

Gross	105620 lb
Tare	40860 lb
Net	64760 lb
Tons	32.38

Comments WELWEST - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	32.38	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	32.38	Tons				
3	GONDOLA T-GONDOLA TON	100	32.38	Tons				

Total Tax
Total Ticket

Dr 203 WM s Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133754

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/16/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# M31
Container
Driver JOE LYON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/16/2017 13:20:25	SCALE 1	lmercer	
Out	02/16/2017 13:20:25		lmercer	

Gross	58760 lb
Tare	28860 lb
Net	29900 lb
Tons	14.95

Comments MICKELO - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	14.95	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	14.95	Tons				KING
3	GONDOLA T-GONDOLA TON	100	14.95	Tons				KING

Total Tax
Total Ticket

Dr 203 WM's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133760

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/16/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# M31
Container
Driver JOE LYON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/16/2017 15:04:35	SCALE 1	lmercer	
Out	02/16/2017 15:04:35		lmercer	

Gross	63000 lb
Tare	28860 lb
Net	34140 lb
Tons	17.07

Comments MICKELO - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	17.07	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	17.07	Tons				
3	GONDOLA T-GONDOLA TON	100	17.07	Tons				

Total Tax
Total Ticket

Dr 203 WM s Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133761

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/16/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS120
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/16/2017 15:22:17	SCALE 1	lmercer	
Out	02/16/2017 15:22:17		lmercer	

Gross	58680 lb
Tare	28520 lb
Net	30160 lb
Tons	15.08

Comments NYS - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	15.08	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	15.08	Tons				KING
3	GONDOLA T-GONDOLA TON	100	15.08	Tons				KING

Total Tax
Total Ticket

Driver's Signature LAWRENCE

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133762

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/16/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# W06
Container
Driver GLEN NELSON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/16/2017 15:41:35	SCALE 1	lmercer	
Out	02/16/2017 15:41:35		lmercer	

Gross	102580 lb
Tare	40860 lb
Net	61720 lb
Tons	30.86

Comments WELWEST - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	30.86	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	30.86	Tons				
3	GONDOLA T-GONDOLA TON	100	30.86	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133765

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/17/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# M31
Container
Driver JOE LYON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/17/2017 08:13:31	SCALE 1	lwercer	
Out	02/17/2017 08:13:31		lwercer	

Gross	59680 lb
Tare	28860 lb
Net	30820 lb
Tons	15.41

Comments MICKELO - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	15.41	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	15.41	Tons				KING
3	GONDOLA T-GONDOLA TON	100	15.41	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133766

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/17/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# W06
Container
Driver GLEN NELSON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/17/2017 08:55:00	SCALE 1	lmercer	
Out	02/17/2017 08:55:00		lmercer	

Gross	106400 lb
Tare	40860 lb
Net	65540 lb
Tons	32.77

Comments WELWEST - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	32.77	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	32.77	Tons				
3	GONDOLA T-GONDOLA TON	100	32.77	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 333768

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/17/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K03S
Container
Driver JOHN CLAWSON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/17/2017 09:08:21	SCALE 1	lmercer	
Out	02/17/2017 09:08:21		lmercer	

Gross	56460 lb
Tare	26620 lb
Net	29840 lb
Tons	14.92

Comments KELLEYS - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	14.92	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	14.92	Tons				KING
3	GONDOLA T-GONDOLA TON	100	14.92	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133770

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/17/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS120
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/17/2017 09:18:29	SCALE 1	lmercer	
Out	02/17/2017 09:18:29		lmercer	

Gross	56580 lb
Tare	28520 lb
Net	28060 lb
Tons	14.03

Comments NYS - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	14.03	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	14.03	Tons				KING
3	GONDOLA T-GONDOLA TON	100	14.03	Tons				KING

Total Tax
Total Ticket

Driver's Signature LAWRENCE

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133771

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/17/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# M31
Container
Driver JOE LYON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/17/2017 09:33:43	SCALE 1	lmercer	
Out	02/17/2017 09:33:43		lmercer	

Gross	62160 lb
Tare	28860 lb
Net	33300 lb
Tons	16.65

Comments MICKELO - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	16.65	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	16.65	Tons				
3	GONDOLA T-GONDOLA TON	100	16.65	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133773

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/17/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K03S
Container
Driver JOHN CLAWSON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/17/2017 10:33:34	SCALE 1	lmercer	
Out	02/17/2017 10:33:34		lmercer	

Gross	57960 lb
Tare	26620 lb
Net	31340 lb
Tons	15.67

Comments NYS - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	15.67	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	15.67	Tons				KING
3	GONDOLA T-GONDOLA TON	100	15.67	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133774

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/17/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# M31
Container
Driver JOE LYON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/17/2017 10:52:16	SCALE 1	lmercer	
Out	02/17/2017 10:52:16		lmercer	

Gross	61860 lb
Tare	28860 lb
Net	33000 lb
Tons	16.50

Comments MICKELO - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	16.50	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	16.50	Tons				
3	GONDOLA T-GONDOLA TON	100	16.50	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 5 Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133777

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/17/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS120
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/17/2017 11:16:21	SCALE 1	lmercer	
Out	02/17/2017 11:16:21		lmercer	

Gross	58600 lb
Tare	28520 lb
Net	30080 lb
Tons	15.04

Comments NYS - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	15.04	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	15.04	Tons				
3	GONDOLA T-GONDOLA TON	100	15.04	Tons				

Total Tax
Total Ticket

Driver's Signature LAWRENCE

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133779

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/17/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# W06
Container
Driver GLEN NELSON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/17/2017 11:25:14	SCALE 1	lmercer	
Out	02/17/2017 11:25:14		lmercer	

Gross	106760 lb
Tare	40860 lb
Net	65900 lb
Tons	32.95

Comments WELWEST - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	32.95	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	32.95	Tons				
3	GONDOLA T-GONDOLA TON	100	32.95	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133781

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/17/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K03S
Container
Driver JOHN CLAWSON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/17/2017 12:10:55	SCALE 1	lmercer	
Out	02/17/2017 12:10:55		lmercer	

Gross	57260 lb
Tare	26620 lb
Net	30640 lb
Tons	15.32

Comments KELLEY - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	15.32	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	15.32	Tons				KING
3	GONDOLA T-GONDOLA TON	100	15.32	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133782

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/17/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# M31
Container
Driver JOE LYON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/17/2017 12:19:42	SCALE 1	lmercer	
Out	02/17/2017 12:19:42		lmercer	

Gross	62240 lb
Tare	28860 lb
Net	33380 lb
Tons	16.69

Comments MICKELO - LM

WASTE MANAGEMENT

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	16.69	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	16.69	Tons				
3	GONDOLA T-GONDOLA TON	100	16.69	Tons				

Driver's Signature

Total Tax
Total Ticket

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133783

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/17/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# W06
Container
Driver GLEN NELSON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/17/2017 13:33:28	SCALE 1	lmercer	
Out	02/17/2017 13:33:28		lmercer	

Gross	107940 lb
Tare	40860 lb
Net	67080 lb
Tons	33.54

Comments WELWEST - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	33.54	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	33.54	Tons				
3	GONDOLA T-GONDOLA TON	100	33.54	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133784

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/17/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K03S
Container
Driver JOHN CLAWSON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/17/2017 13:36:23	SCALE 1	lmercer	
Out	02/17/2017 13:36:23		lmercer	

Gross	56580 lb
Tare	26620 lb
Net	29960 lb
Tons	14.98

Comments KELLEY - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	14.98	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	14.98	Tons				
3	GONDOLA T-GONDOLA TON	100	14.98	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133785

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/17/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# M31
Container
Driver JOE LYON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/17/2017 13:44:13	SCALE 1	lmercer	
Out	02/17/2017 13:44:13		lmercer	

Gross	58800 lb
Tare	28860 lb
Net	29940 lb
Tons	14.97

Comments MICKELO - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	14.97	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	14.97	Tons				
3	GONDOLA T-GONDOLA TON	100	14.97	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133788

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/17/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS120
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/17/2017 14:39:36	SCALE 1	lmercer	
Out	02/17/2017 14:39:36		lmercer	

Gross	57560 lb
Tare	28520 lb
Net	29040 lb
Tons	14.52

Comments NYS - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	14.52	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	14.52	Tons				
3	GONDOLA T-GONDOLA TON	100	14.52	Tons				

Total Tax
Total Ticket

Driver's Signature LAWRENCE

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133789

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/17/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K035
Container
Driver JOHN CLAWSON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/17/2017 14:56:52	SCALE 1	lmercer	
Out	02/17/2017 14:56:52		lmercer	

Gross	59700 lb
Tare	26620 lb
Net	33080 lb
Tons	16.54

Comments KELLEYS - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	16.54	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	16.54	Tons				
3	GONDOLA T-GONDOLA TON	100	16.54	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133790

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/17/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# M31
Container
Driver JOE LYON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/17/2017 15:15:52	SCALE 1	lmercer	
Out	02/17/2017 15:15:52		lmercer	

Gross	63800 lb
Tare	28860 lb
Net	34940 lb
Tons	17.47

Comments MICKELO - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	17.47	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	17.47	Tons				
3	GONDOLA T-GONDOLA TON	100	17.47	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133855

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/21/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K012
Container
Driver RALPH PLATA
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/21/2017 12:22:31	SCALE 1	lmercer	
Out	02/21/2017 12:29:18	SCALE 1	lmercer	
			* Manual Weight	

Gross	50140 lb*
Tare	26520 lb*
Net	23620 lb
Tons	11.81

Comments KOLE - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	11.81	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	11.81	Tons				
3	GONDOLA T-GONDOLA TON	100	11.81	Tons				

Driver's Signature

Total Tax
Total Ticket

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133856

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/21/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K09
Container
Driver RANDY FIDELINE
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/21/2017 12:24:33	SCALE 1	lmercer	
Out	02/21/2017 14:52:30	SCALE 1	lmercer	

* Manual Weight

Gross	49940 lb*
Tare	25880 lb*
Net	24060 lb
Tons	12.03

Comments KOLE - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	12.03	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	12.03	Tons				KING
3	GONDOLA T-GONDOLA TON	100	12.03	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133864

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/21/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K012
Container
Driver RALPH PLATA
Check#
Billing# 0000486
Grid

Volume

	Time /	Scale	Operator	Inbound
In	02/21/2017 13:53:19	SCALE 1	lmercer	
Out	02/21/2017 13:53:19		lmercer	
			* Manual Weight	

Gross	48020 lb*
Tare	26520 lb*
Net	21500 lb
Tons	10.75

Comments KOLE ENT - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	10.75	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	10.75	Tons				
3	GONDOLA T-GONDOLA TON	100	10.75	Tons				

Total Tax
Total Ticket

Driver's Signature RSL RLP

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133896

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/23/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K012
Container
Driver RALPH PLATA
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/23/2017 11:17:45	SCALE 1	lmercer		Gross	54700 lb*
Out	02/23/2017 11:17:45		lmercer		Tare	26520 lb*
			* Manual Weight		Net	28180 lb
					Tons	14.09

Comments KOLE - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	14.09	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	14.09	Tons				
3	GONDOLA T-GONDOLA TON	100	14.09	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133897

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/23/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# M31
Container
Driver JOE LYON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/23/2017 11:20:26	SCALE 1	lmercer	
Out	02/23/2017 11:20:26		lmercer	
			* Manual Weight	

Gross	60560 lb*
Tare	28860 lb*
Net	31700 lb
Tons	15.85

Comments MICKELO - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	15.85	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	15.85	Tons				
3	GONDOLA T-GONDOLA TON	100	15.85	Tons				

Total Tax
Total Ticket

Dr 203 WM s Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133898

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/23/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS130
Container
Driver MICHAEL DARWIN
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/23/2017 11:29:58	SCALE 1	lmercer		Gross	53660 lb*
Out	02/23/2017 11:29:58		lmercer		Tare	26120 lb*
			* Manual Weight		Net	27540 lb
					Tons	13.77

Comments NYS - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	13.77	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	13.77	Tons				
3	GONDOLA T-GONDOLA TON	100	13.77	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133902

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/23/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# M31
Container
Driver JOE LYON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/23/2017 12:29:19	SCALE 1	lmercer	
Out	02/23/2017 12:29:19		lmercer	
			* Manual Weight	

Gross	61520 lb*
Tare	28860 lb*
Net	32660 lb
Tons	16.33

Comments MICKELO - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	16.33	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	16.33	Tons				
3	GONDOLA T-GONDOLA TON	100	16.33	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133903

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/23/2017
Payment Type Credit Account
Manual Ticket#
Route \AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K012
Container
Driver RALPH PLATA
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/23/2017 12:34:36	SCALE 1	lmercer		Gross	53100 lb*
Out	02/23/2017 12:34:36		lmercer		Tare	26520 lb*
			* Manual Weight		Net	26580 lb
					Tons	13.29

Comments KOLE - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	13.29	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	13.29	Tons				
3	GONDOLA T-GONDOLA TON	100	13.29	Tons				

Driver's Signature

Total Tax
Total Ticket

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133905

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/23/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS150
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/23/2017 12:42:05	SCALE 1	lmercer	
Out	02/23/2017 13:11:01	SCALE 1	lmercer	
			* Manual Weight	

Gross	47660 lb*
Tare	27100 lb*
Net	20560 lb
Tons	10.28

Comments NYS - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	10.28	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	10.28	Tons				KING
3	GONDOLA T-GONDOLA TON	100	10.28	Tons				KING

Total Tax
Total Ticket

Driver's Signature LAWRENCE

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133906

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/23/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS130
Container
Driver MICHAEL DARWIN
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/23/2017 13:00:22	SCALE 1	lmercer	
Out	02/23/2017 13:00:22		lmercer	
			* Manual Weight	

Gross	49580 lb*
Tare	26120 lb*
Net	23460 lb
Tons	11.73

Comments NYS - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	11.73	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	11.73	Tons				KING
3	GONDOLA T-GONDOLA TON	100	11.73	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133910

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/23/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# M31
Container
Driver JOE LYON
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/23/2017 13:39:58	SCALE 1	lmercer	
Out	02/23/2017 13:39:58		lmercer	
			* Manual Weight	

Gross	56800 lb*	
Tare	28860 lb*	
Net	27940 lb	
Tons	13.97	

Comments MICKELO - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	13.97	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	13.97	Tons				KING
3	GONDOLA T-GONDOLA TON	100	13.97	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763-5025

Original
Ticket# 133947

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/24/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS150
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/24/2017 10:41:19	SCALE 1	lmercer		Gross	47160 lb*
Out	02/24/2017 10:41:19		lmercer		Tare	27100 lb*
			* Manual Weight		Net	20060 lb
					Tons	10.03

Comments NYS - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	10.03	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	10.03	Tons				
3	GONDOLA T-GONDOLA TON	100	10.03	Tons				

Total Tax
Total Ticket

Driver's Signature LAWRENCE

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133950

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/24/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS150
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/24/2017 12:09:40	SCALE 1	lmercer		Gross	49620 lb*
Out	02/24/2017 12:09:40		lmercer		Tare	27100 lb*
			* Manual Weight		Net	22520 lb
					Tons	11.26

Comments NYS - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	11.26	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	11.26	Tons				KING
3	GONDOLA T-GONDOLA TON	100	11.26	Tons				KING

Total Tax
Total Ticket

Driver's Signature LAWRENCE

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133953

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/24/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS150
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/24/2017 13:18:03	SCALE 1	lmercer	
Out	02/24/2017 13:18:03		lmercer	
			* Manual Weight	

Gross	49980 lb*
Tare	27100 lb*
Net	22880 lb
Tons	11.44

Comments NYS - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	11.44	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	11.44	Tons				KING
3	GONDOLA T-GONDOLA TON	100	11.44	Tons				KING

Total Tax
Total Ticket

Driver's Signature LAWRENCE

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133954

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/24/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS150
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/24/2017 14:38:31	SCALE 1	lmercer	
Out	02/24/2017 14:38:31		lmercer	
			* Manual Weight	

Gross	51180 lb*
Tare	27100 lb*
Net	24080 lb
Tons	12.04

Comments NYS - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	12.04	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	12.04	Tons				
3	GONDOLA T-GONDOLA TON	100	12.04	Tons				

Total Tax
Total Ticket

Driver's Signature LAWRENCE

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133963

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/27/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS120
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/27/2017 09:03:35	SCALE 1	lmercer	
Out	02/27/2017 09:03:35		lmercer	
			* Manual Weight	

Gross	55740 lb*
Tare	28520 lb*
Net	27220 lb
Tons	13.61

Comments NYS - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	13.61	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	13.61	Tons				KING
3	GONDOLA T-GONDOLA TON	100	13.61	Tons				KING

Total Tax
Total Ticket

Driver's Signature LAWRENCE

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133964

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/27/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS120
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/27/2017 10:23:39	SCALE 1	lmercer	
Out	02/27/2017 10:23:39		lmercer	
			* Manual Weight	

Gross	52560 lb*
Tare	28520 lb*
Net	24040 lb
Tons	12.02

Comments NYS - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	12.02	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	12.02	Tons				
3	GONDOLA T-GONDOLA TON	100	12.02	Tons				

Total Tax
Total Ticket

Dr 203 WM s Signature LAWRENCE

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133970

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/27/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS120
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/27/2017 11:48:47	SCALE 1	lmercer		Gross	55960 lb*
Out	02/27/2017 11:48:47		lmercer		Tare	28520 lb*
			* Manual Weight		Net	27440 lb
					Tons	13.72

Comments NYS - SW

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	13.72	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	13.72	Tons				
3	GONDOLA T-GONDOLA TON	100	13.72	Tons				

Total Tax
Total Ticket

Driver's Signature Lawrence

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133979

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/27/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS120
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/27/2017 13:18:26	SCALE 1	lmercer		Gross	60600 lb*
Out	02/27/2017 13:18:26		lmercer		Tare	28520 lb*
			* Manual Weight		Net	32080 lb
					Tons	16.04

Comments NYS - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	16.04	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	16.04	Tons				
3	GONDOLA T-GONDOLA TON	100	16.04	Tons				

Total Tax
Total Ticket

Driver's Signature LAWRENCE

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133984

Ph: 206 763 5025

Customer Name Ventures LLC CO MJR Devel
Ticket Date 02/27/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS120 Volume
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

	Time	Scale	Operator	Inbound		
In	02/27/2017 14:36:40	SCALE 1	lmercer		Gross	55460 lb*
Out	02/27/2017 14:36:40		lmercer		Tare	28520 lb*
			* Manual Weight		Net	26940 lb
					Tons	13.47

Comments NYS - LM

	Product	LDW	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	13.47	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	13.47	Tons				
3	GONDOLA T-GONDOLA TON	100	13.47	Tons				

Total Tax
Total Ticket

Driver's Signature LAWRENCE

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133989

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/28/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS120
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/28/2017 07:29:34	SCALE 1	lmercer	
Out	02/28/2017 07:29:34		lmercer	
			* Manual Weight	

Gross	56580 lb*
Tare	28520 lb*
Net	28060 lb
Tons	14.03

Comments NYS - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	14.03	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	14.03	Tons				
3	GONDOLA T-GONDOLA TON	100	14.03	Tons				

Total Tax
Total Ticket

Driver's Signature Lawrence

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 133992

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/28/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K8S
Container
Driver JJ KOOY
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/28/2017 08:12:30	SCALE 1	lmercer	
Out	02/28/2017 08:20:15	SCALE 1	lmercer	
			* Manual Weight	

Gross	52740 lb*	
Tare	28680 lb*	
Net	24060 lb	
Tons	12.03	

Comments KOOY - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	12.03	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	12.03	Tons				KING
3	GONDOLA T-GONDOLA TON	100	12.03	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Reprint
Ticket# 133996

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/28/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS120
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/28/2017 08:46:07	SCALE 1	lmercer		Gross	53420 lb*
Out	02/28/2017 08:46:07		lmercer		Tare	28520 lb*
			* Manual Weight		Net	24900 lb
					Tons	12.45

Comments NYS - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	12.45	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	12.45	Tons				
3	GONDOLA T-GONDOLA TON	100	12.45	Tons				

Total Tax
Total Ticket

203 WM

Driver's Signature LAWRENCE

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133997

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/28/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS130
Container
Driver MICHAEL DARWIN
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound
In	02/28/2017 08:58:29	SCALE 1	lmercer	
Out	02/28/2017 08:58:29		lmercer	
			* Manual Weight	

Gross	49780 lb*	
Tare	26120 lb*	
Net	23660 lb	
Tons	11.83	

Comments NYS - LM

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	11.83	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	11.83	Tons				
3	GONDOLA T-GONDOLA TON	100	11.83	Tons				

Driver's Signature

Total Tax
Total Ticket

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 133998

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/28/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K8S
Container
Driver JJ KOOY
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/28/2017 09:40:26	SCALE 1	lmercer		Gross	53900 lb*
Out	02/28/2017 09:40:26		lmercer		Tare	28680 lb*
			* Manual Weight		Net	25220 lb
					Tons	12.61

Comments KOOY - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	12.61	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	12.61	Tons				
3	GONDOLA T-GONDOLA TON	100	12.61	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Rh: 206 763 5025

Original
Ticket# 134002

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/28/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS120
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/28/2017 10:04:49	SCALE 1	lmercer		Gross	56640 lb*
Out	02/28/2017 10:04:49		lmercer		Tare	28520 lb*
			* Manual Weight		Net	28120 lb
					Tons	14.06

Comments NYS - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	14.06	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	14.06	Tons				KING
3	GONDOLA T-GONDOLA TON	100	14.06	Tons				KING

Total Tax
Total Ticket

203 WM

Driver's Signature LAWRENCE

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 134004

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/28/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS130
Container
Driver MICHAEL DARWIN
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound	Gross	Tare	Net	Tons
In	02/28/2017 10:49:12	SCALE 1	lmercer		49200 lb*	26120 lb*	23080 lb	11.54
Out	02/28/2017 10:49:12		lmercer					
			* Manual Weight					

Comments NYS - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	11.54	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	11.54	Tons				KING
3	GONDOLA T-GONDOLA TON	100	11.54	Tons				KING

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 134005

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/28/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K8S
Container
Driver JJ KOOY
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/28/2017 10:53:56	SCALE 1	lmercer		Gross	58520 lb*
Out	02/28/2017 10:53:56		lmercer		Tare	28680 lb*
			* Manual Weight		Net	29840 lb
					Tons	14.92

Comments KOOY - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	14.92	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	14.92	Tons				
3	GONDOLA T-GONDOLA TON	100	14.92	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 134009

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/28/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K8S
Container
Driver JJ KOOY
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/28/2017 12:13:05	SCALE 1	lmercer		Gross	54620 lb*
Out	02/28/2017 12:13:05		lmercer		Tare	28680 lb*
			* Manual Weight		Net	25940 lb
					Tons	12.97

Comments KOOY TRUCKING - SW

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	12.97	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	12.97	Tons				KING
3	GONDOLA T-GONDOLA TON	100	12.97	Tons				KING

Total Tax
Total Ticket

203 WM

Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 134013

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/28/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS120
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/28/2017 14:25:47	SCALE 1	lmercer		Gross	57800 lb*
Out	02/28/2017 14:25:47		lmercer		Tare	28520 lb*
			* Manual Weight		Net	29280 lb
					Tons	14.64

Comments NYS -- LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	14.64	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	14.64	Tons				KING
3	GONDOLA T-GONDOLA TON	100	14.64	Tons				KING

Total Tax
Total Ticket

203 WM

Driver's Signature LAWRENCE

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 134014

PH: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/28/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS130
Container
Driver MICHAEL DARWIN
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/28/2017 14:44:11	SCALE 1	lmercer		Gross	56720 lb*
Out	02/28/2017 14:44:11		lmercer		Tare	26120 lb*
			* Manual Weight		Net	30600 lb
					Tons	15.30

Comments NYS - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	15.30	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	15.30	Tons				
3	GONDOLA T-GONDOLA TON	100	15.30	Tons				

Total Tax
Total Ticket

Driver's Signature

203 WM

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 134021

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/23/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# K012
Container
Driver RALPH PLATA
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/23/2017 13:50:16	SCALE 1	lmercer		Gross	45060 lb*
Out	02/23/2017 13:50:16		lmercer		Tare	26520 lb*
			* Manual Weight		Net	18540 lb
					Tons	9.27

* Comments KOLE ENT - LM (REPLACES VOIDED TICKET # 133912)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	9.27	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	9.27	Tons				KING
3	GONDOLA T-GONDOLA TON	100	9.27	Tons				KING

Total Tax
Total Ticket

203 WM

Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 134022

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 02/28/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS130
Container
Driver MICHAEL DARWIN
Check#
Billing# 0000486
Grid

Volume

	Time	Scale	Operator	Inbound		
In	02/28/2017 13:18:39	SCALE 1	lmercer		Gross	46040 lb*
Out	02/28/2017 13:18:39		lmercer		Tare	26120 lb*
			* Manual Weight		Net	19920 lb
					Tons	9.96

Comments NYS - LM (REPLACES VOIDED TICKET # 134012)

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	9.96	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	9.96	Tons				
3	GONDOLA T-GONDOLA TON	100	9.96	Tons				

Total Tax
Total Ticket

203 WM

Driver's Signature

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Original
Ticket# 134046

Ph: 206 763 5025

Customer Name JBK Ventures LLC CO MJR Devel
Ticket Date 03/01/2017
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 111997WA

Carrier SELF HAULER *
Vehicle# NYS120 Volume
Container
Driver LAWRENCE BAFFOUR
Check#
Billing# 0000486
Grid

	Time	Scale	Operator	Inbound		
In	03/01/2017 12:33:02	SCALE 1	lmercer		Gross	46400 lb*
Out	03/01/2017 12:33:02		lmercer		Tare	28520 lb*
			* Manual Weight		Net	17880 lb
					Tons	8.94

Comments NYS - LM

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	ENVCLEANUP RGCPCS-Tons-E	100	8.94	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	8.94	Tons				
3	GONDOLA T-GONDOLA TON	100	8.94	Tons				

Inv. 7805-2588-7

Total Tax
Total Ticket

Driver's Signature LAWRENCE

203 WM

Attachment I
Waste Disposal Documentation
PCE-Contaminated Soil

SITE
Seattle 20 - 48 Ft --
SEATTLE ROOSEVELT , WA

CUSTOMER
690286
JBK Ventures, LLC
6725 116th Ave. NE, Ste. 100
Kirkland, WA 98033
Contract:LW-17029

SITE	TICKET #	CELL
3A	363074	249437

WEIGHMASTER Melissa M.

DATE/TIME IN	DATE/TIME OUT
3/6/17 7:42 pm	3/6/17 8:09 pm

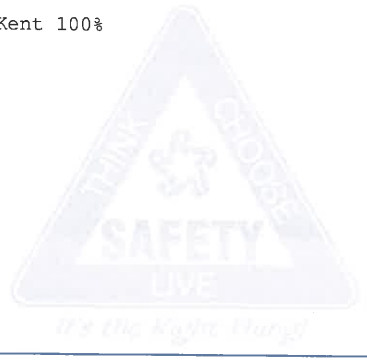
VEHICLE	CONTAINER
0329	TRLU901658

REFERENCE

BILL OF LADING DTTX27127

SCALE IN	GROSS WEIGHT	99,760	NET TONS 25.23	INBOUND
SCALE OUT	TARE WEIGHT	49,300	NET WEIGHT 50,460	INVOICE

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
28.00	YD	Tracking QTY				
25.23	tn	Contained in Contaminated Soil Origin:Kent 100%				
1.00		CONTAINER/CHASIS RENTAL				



NET AMOUNT
TENDERED
CHANGE
CHECK#

The undersigned individual signing this document on behalf of Customer acknowledges that he or she has read and understands the terms and conditions on the reverse side and that he or she has the authority to sign this document on behalf of the customer.

RS-F042UPR (07/12)

SIGNATURE _____

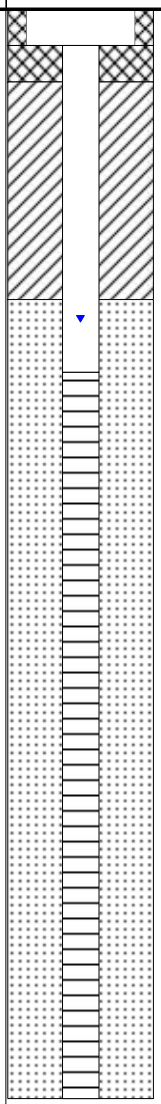
Attachment D
Monitoring Well Logs

ENVIRONMENTAL PARTNERS INC

BORING ID: MW-1

SITE ADDRESS	CLIENT:	CASING MATERIAL AND SIZE:
1301 West Meeker Street	**MJR Development**	**2" PVC**
DRILLING CONTRACTOR:	PROJECT #:	SCREEN SIZE:
ESN Northwest	**651124.4**	**0.010"**
DRILLING EQUIPMENT:	DATE:	SCREEN INTERVAL:
Power Probe 9630 PRO-PTO	**7/11/2017**	**5' - 15'**
DRILLING METHOD:	GROUND SURFACE ELEV. FT AMSL:	FILTER PACK:
Direct Push	**98.28' (Reference Elevation)**	**Colorado Sand 10 x 20**
LOGGED BY: / BOREHOLE SIZE:	TOTAL DEPTH:	FILTER PACK INTERVAL:
B. Wing / **2"**	**15**	**4' - 15'**

Depth (feet)	USCS	Description (USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other)	Interval & % Recovery	PID (ppm)	Sample
0		Hand-cleared down to 1 ft bgs.			
1	SP	POORLY GRADED SAND WITH SILT; crushed concrete overlying fill sand. Brown; damp; loose; Poorly-graded sand with silt, few fine gravel	20		
5	SP	POORLY GRADED SAND WITH GRAVEL; brown; damp to moist; loose; poorly-graded fine sand with minor angular gravel/fine gravel.	5	0	No Sample
10	ML	SILT WITH SAND; grayish brown; wet; silt mixed with fill and pea gravel.	50	0	No Sample
13	GP	POORLY GRADED GRAVEL; grayish brown; wet; loose; pea gravel.			
15		End of Borehole		0	No Sample
20					



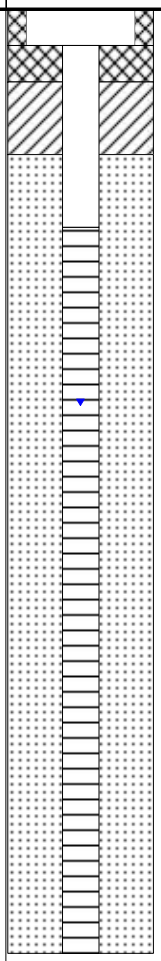
NOTES: DTW = 4.5' at time of drilling (borehole collapsed before measurement could be recorded; DTW recorded by driller once well installed).

ENVIRONMENTAL PARTNERS INC

BORING ID: MW-2

SITE ADDRESS	CLIENT:	CASING MATERIAL AND SIZE:
1301 West Meeker Street	**MJR Development**	**2" PVC**
DRILLING CONTRACTOR:	PROJECT #:	SCREEN SIZE:
ESN Northwest	**651124.4**	**0.010"**
DRILLING EQUIPMENT:	DATE:	SCREEN INTERVAL:
Power Probe 9630 PRO-PTO	**7/11/2017**	**3' - 13'**
DRILLING METHOD:	GROUND SURFACE ELEV. FT AMSL:	FILTER PACK:
Direct Push	**99.15' (Reference Elevation)**	**Colorado Sand 10 x 20**
LOGGED BY: / BOREHOLE SIZE:	TOTAL DEPTH:	FILTER PACK INTERVAL:
B. Wing / **2"**	**15**	**2' - 15'**

Depth (feet)	USCS	Description (USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other)	Interval & % Recovery	PID (ppm)	Sample
0		Hand-cleared down to 1 ft bgs.			
1	SP-SM	POORLY GRADED SAND WITH SILT AND GRAVEL; brown, moist, poorly-graded, fine sandy fill with silt and some gravel. Poor recovery.	20		
2					
3					
4					
5				0	No Sample
6	ML	SILT; light olive brown; wet; medium stiff; medium plasticity; medium dilatency; silt.	60		
7					
8					
9		6" interbed of poorly-graded fine sand with silt at ~9 - 9.5 ft bgs			
10	SP	POORLY GRADED SAND WITH SILT; dark gray; wet; medium plasticity; rapid dilatency.		0	No Sample
11					
12			60		
13					
14					
15		End of Borehole		0	No Sample
16					
17					
18					
19					
20					



NOTES: DTW = 5.4' after well installation.

ENVIRONMENTAL PARTNERS INC

BORING ID: MW-3

SITE ADDRESS	CLIENT:	CASING MATERIAL AND SIZE:
1301 West Meeker Street	**MJR Development**	**2" PVC**
DRILLING CONTRACTOR:	PROJECT #:	SCREEN SIZE:
ESN Northwest	**651124.4**	**0.010"**
DRILLING EQUIPMENT:	DATE:	SCREEN INTERVAL:
Power Probe 9630 PRO-PTO	**7/11/2017**	**3' - 13'**
DRILLING METHOD:	GROUND SURFACE ELEV. FT AMSL:	FILTER PACK:
Direct Push	**99.27' (Reference Elevation)**	**Colorado Sand 10 x 20**
LOGGED BY: / BOREHOLE SIZE:	TOTAL DEPTH:	FILTER PACK INTERVAL:
B. Wing / **2"**	**15**	**2' - 15'**

Depth (feet)	USCS	Description (USCS name; Color; Moisture; Density; Plasticity; Dilatency; EPI description; Other)	Interval & % Recovery	PID (ppm)	Sample
0		Hand-cleared down to 1 ft bgs.			
1	SP	POORLY GRADED SAND WITH SILT AND GRAVEL; light olive brown; moist; loose; mixture of gravel and poorly-graded fine sand with silt fill. No odor.			
2					
3		4" layer of crushed gravel at ~ 3' - 4'.	40		
4					
5	SP	POORLY GRADED SAND WITH SILT; dark reddish brown; wet; medium dense; 8" layer of pea gravel resting above poorly-graded fine sand with minor silt.		0	No Sample
6					
7			40		
8					
9		No Recovery from 9' to 10'.			
10	SP	POORLY GRADED SAND WITH SILT; dark gray; wet; stiff; low to medium plasticity. poorly-graded fine sand with silt and clay.		0	No Sample
11					
12			70		
13					
14					
15		End of Borehole		0	No Sample
16					
17					
18					
19					
20					

Well Construction: Monument; Cement; Bentonite; 10 x 20 Sand; 0.010"-slot screen

NOTES: DTW = 5.8' after well installation.

Attachment E
Terrestrial Ecological Evaluation Exclusions Form

Voluntary Cleanup Program

Washington State Department of Ecology
Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION FORM

Under the Model Toxics Control Act (MTCA), a terrestrial ecological evaluation is necessary if hazardous substances are released into the soils at a Site. In the event of such a release, you must take one of the following three actions as part of your investigation and cleanup of the Site:

1. Document an exclusion from further evaluation using the criteria in WAC 173-340-7491.
2. Conduct a simplified evaluation as set forth in WAC 173-340-7492.
3. Conduct a site-specific evaluation as set forth in WAC 173-340-7493.

When requesting a written opinion under the Voluntary Cleanup Program (VCP), you must complete this form and submit it to the Department of Ecology (Ecology). The form documents the type and results of your evaluation.

Completion of this form is not sufficient to document your evaluation. You still need to document your analysis and the basis for your conclusion in your cleanup plan or report.

If you have questions about how to conduct a terrestrial ecological evaluation, please contact the Ecology site manager assigned to your Site. For additional guidance, please refer to www.ecy.wa.gov/programs/tcp/policies/terrestrial/TEEHome.htm.

Step 1: IDENTIFY HAZARDOUS WASTE SITE	
Please identify below the hazardous waste site for which you are documenting an evaluation.	
Facility/Site Name: Former Meeker Cleaners Site	
Facility/Site Address: 1301 West Meeker Street, Kent, WA	
Facility/Site No: 87719977	VCP Project No.: (not yet established)

Step 2: IDENTIFY EVALUATOR		
Please identify below the person who conducted the evaluation and their contact information.		
Name: Tena Seeds		Title: Senior Engineer
Organization: Environmental Partners, Inc.		
Mailing address: 1180 NW Maple Street, Suite 310		
City: Issaquah	State: WA	Zip code: 98027
Phone: 425-395-0010	Fax: 425-395-0011	E-mail: tenas@epi-wa.com

ECY 090-300 (07/2015) To request ADA accommodation including materials in a format for the visually impaired, call Ecology Toxic Cleanup Program 360-407-7170. Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech disability may call TTY at 877-833-6341.

Step 3: DOCUMENT EVALUATION TYPE AND RESULTS

A. Exclusion from further evaluation.

1. Does the Site qualify for an exclusion from further evaluation?

■ Yes *If you answered **"YES,"** then answer **Question 2**.*

☐ No or Unknown *If you answered **"NO" or "UKNOWN,"** then skip to **Step 3B** of this form.*

2. What is the basis for the exclusion? *Check all that apply. Then skip to **Step 4** of this form.*

Point of Compliance: WAC 173-340-7491(1)(a)

☐ All soil contamination is, or will be,* at least 15 feet below the surface.

☐ All soil contamination is, or will be,* at least 6 feet below the surface (or alternative depth if approved by Ecology), and institutional controls are used to manage remaining contamination.

Barriers to Exposure: WAC 173-340-7491(1)(b)

☐ All contaminated soil, is or will be,* covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife, and institutional controls are used to manage remaining contamination.

Undeveloped Land: WAC 173-340-7491(1)(c)

☐ There is less than 0.25 acres of contiguous[#] undeveloped[±] land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene.

☒ For sites not containing any of the chemicals mentioned above, there is less than 1.5 acres of contiguous[#] undeveloped[±] land on or within 500 feet of any area of the Site.

Background Concentrations: WAC 173-340-7491(1)(d)

☐ Concentrations of hazardous substances in soil do not exceed natural background levels as described in WAC 173-340-200 and 173-340-709.

* An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology.

[±] "Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil.

[#] "Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.

ECY 090-300 (07/2015) To request ADA accommodation including materials in a format for the visually impaired, call Ecology Toxic Cleanup Program 360-407-7170. Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech disability may call TTY at 877-833-6341.

B. Simplified evaluation.

1. Does the Site qualify for a simplified evaluation?

☐ Yes *If you answered **"YES,"** then answer **Question 2** below.*

☐ No or Unknown *If you answered **"NO"** or **"UNKNOWN,"** then skip to **Step 3C** of this form.*

2. Did you conduct a simplified evaluation?

☐ Yes *If you answered **"YES,"** then answer **Question 3** below.*

☐ No *If you answered **"NO,"** then skip to **Step 3C** of this form.*

3. Was further evaluation necessary?

☐ Yes *If you answered **"YES,"** then answer **Question 4** below.*

☐ No *If you answered **"NO,"** then answer **Question 5** below.*

4. If further evaluation was necessary, what did you do?

☐ Used the concentrations listed in Table 749-2 as cleanup levels. *If so, then skip to **Step 4** of this form.*

☐ Conducted a site-specific evaluation. *If so, then skip to **Step 3C** of this form.*

5. If no further evaluation was necessary, what was the reason? *Check all that apply. Then skip to **Step 4** of this form.*

Exposure Analysis: WAC 173-340-7492(2)(a)

☐ Area of soil contamination at the Site is not more than 350 square feet.

☐ Current or planned land use makes wildlife exposure unlikely. Used Table 749-1.

Pathway Analysis: WAC 173-340-7492(2)(b)

☐ No potential exposure pathways from soil contamination to ecological receptors.

Contaminant Analysis: WAC 173-340-7492(2)(c)

☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations that exceed the values listed in Table 749-2.

☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations that exceed the values listed in Table 749-2, and institutional controls are used to manage remaining contamination.

☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays.

☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays, and institutional controls are used to manage remaining contamination.

ECY 090-300 (07/2015) To request ADA accommodation including materials in a format for the visually impaired, call Ecology Toxic Cleanup Program 360-407-7170. Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech disability may call TTY at 877-833-6341.

C. Site-specific evaluation. A site-specific evaluation process consists of two parts: (1) formulating the problem, and (2) selecting the methods for addressing the identified problem. Both steps require consultation with and approval by Ecology. *See* WAC 173-340-7493(1)(c).

1. Was there a problem? *See* WAC 173-340-7493(2).

☐ Yes *If you answered **"YES,"** then answer **Question 2** below.*

☐ No *If you answered **"NO,"** then identify the reason here and then skip to **Question 5** below:*

- ☐ No issues were identified during the problem formulation step.
- ☐ While issues were identified, those issues were addressed by the cleanup actions for protecting human health.

2. What did you do to resolve the problem? *See* WAC 173-340-7493(3).

☐ Used the concentrations listed in Table 749-3 as cleanup levels. *If so, then skip to **Question 5** below.*

☐ Used one or more of the methods listed in WAC 173-340-7493(3) to evaluate and address the identified problem. *If so, then answer **Questions 3 and 4** below.*

3. If you conducted further site-specific evaluations, what methods did you use? *Check all that apply. See* WAC 173-340-7493(3).

- ☐ Literature surveys.
- ☐ Soil bioassays.
- ☐ Wildlife exposure model.
- ☐ Biomarkers.
- ☐ Site-specific field studies.
- ☐ Weight of evidence.
- ☐ Other methods approved by Ecology. If so, please specify:

4. What was the result of those evaluations?

- ☐ Confirmed there was no problem.
- ☐ Confirmed there was a problem and established site-specific cleanup levels.

5. Have you already obtained Ecology's approval of both your problem formulation and problem resolution steps?

☐ Yes If so, please identify the Ecology staff who approved those steps:

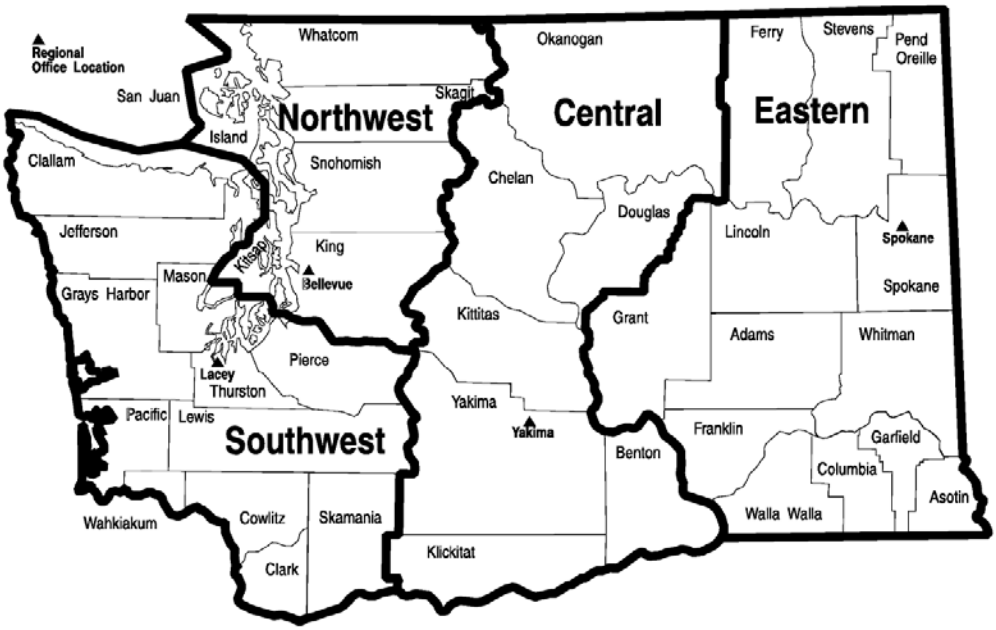
☐ No

ECY 090-300 (07/2015) To request ADA accommodation including materials in a format for the visually impaired, call Ecology Toxic Cleanup Program 360-407-7170. Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech disability may call TTY at 877-833-6341.

Step 4: SUBMITTAL

Please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.

Northwest Region: Attn: VCP Coordinator 3190 160th Ave. SE Bellevue, WA 98008-5452	**Central Region:** Attn: VCP Coordinator 1250 West Alder St. Union Gap, WA 98903-0009
Southwest Region: Attn: VCP Coordinator P.O. Box 47775 Olympia, WA 98504-7775	**Eastern Region:** Attn: VCP Coordinator N. 4601 Monroe Spokane WA 99205-1295



ECY 090-300 (07/2015) To request ADA accommodation including materials in a format for the visually impaired, call Ecology Toxic Cleanup Program 360-407-7170. Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech disability may call TTY at 877-833-6341.

Attachment F
Conceptual Site Model Diagram

Primary Sources	Contaminants of Potential Concern	Media of Concern	Transport Mechanisms	Exposure Media	Exposure Pathway	Current (C) and Potential Future (F) Receptors: Commercial Industrial	Construction Worker	Residential/ Recreational	TEE Receptors
<u>Chlorinated Solvents:</u> Historical releases of dry-cleaning solvent from former dry cleaning operations <u>Petroleum Hydrocarbons:</u> Unknown sources; possible contaminated backfill used in 2002 excavation	Tetrachloroethene (PCE), Trichloroethene (TCE), Cis-1,2-Dichloroethene, Vinyl Chloride Diesel-Range Organics (DRO), Heavy Oil-Range Organics (ORO) [X] Adsorbed onto soil [X] Dissolved in water [ ] Non-aqueous phase	[ ] Surface Soil (0-2 feet bgs)	[ ] Direct release to soil [ ] Migration to subsurface soil [ ] Migration to groundwater [ ] Volatilization [ ] Runoff or erosion [ ] Utake by plant or animal [ ] Other (list) _____	[ ] Soil	[ ] Ingestion [ ] Dermal Exposure				
		[X] Soil (> 2 feet bgs) **(Remediated as of Feb/Mar 2017)**	[X] Direct release to soil [X] Migration to groundwater [X] Volatilization [ ] Other (list) _____	[X] Groundwater	[X] Ingestion [X] Dermal Exposure		C, F		
		[X] Groundwater	[X] Release to groundwater [X] Volatilization [ ] Future migration to surface water [ ] Future migration to sediment [ ] Uptake by plant or animal [ ] Other (list) _____	[X] Air	[X] Inhalation		C, F		
		[ ] Surface Water	[ ] Release to surface water [ ] Volatilization [ ] Sedimentation [ ] Uptake by plant or animal [ ] Other (list) _____	[ ] Surface Water	[ ] Ingestion [ ] Dermal Contact				
		[ ] Sediment	[ ] Release to surface water [ ] Resuspension or erosion [ ] Uptake by plant or animal [ ] Other (list) _____	[ ] Sediment	[ ] Ingestion [ ] Dermal Contact				
				[ ] Indoor Air	[ ] Inhalation				

ATTACHMENT F
CONCEPTUAL SITE MODEL

PREPARED BY	ENVIRONMENTAL PARTNERS INC
REPORT	REMEDIAL INVESTIGATION, FEASIBILITY STUDY, AND CLEANUP ACTION PLAN
LOCATION	FORMER MEEKER CLEANERS SITE 1301 WEST MEEKER STREET, KENT, WASHINGTON
PREPARED FOR	MJR DEVELOPMENT

DATE	***CREATED BY***	***REVIEWED BY***	***PROJECT NUMBER***
8/28/17	TS	EK	65112.4